

Converting Colors

XYZ(75.8730, 90.5232, 89.5080)

Have a look what the booklet for
XYZ(75.8730, 90.5232, 89.5080)
contains.

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Color

**XYZ(76.0576, 90.6116,
89.8251)**

Conversions

Conversions Part 1

Format	Color
Hex	CFFFE8
RGB	207, 255, 232
RGB Percent	81%, 100%, 91%
CMY	0.1882, 0.0000, 0.0902
CMYK	0.19, 0.00, 0.09, 0.00
HSL	151°, 100%, 91%
HSV	151°, 19%, 100%
XYZ	76.0576, 90.6116, 89.8251
YIQ	238.0260, -21.2250, -17.3290

Conversions

Conversions Part 2

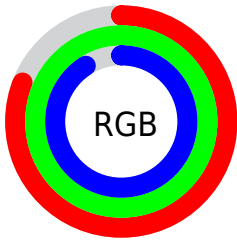
Format	Color
R_{YB}	207, 239, 255
Decimal	13631464
CIE _{Lab}	96.25, -19.64, 5.96
CIE _{LCh}	96, 20.520, 163.119
Y _{xy}	90.6116, 0.2965, 0.3533
Android (android.graphics.Color)	4291821544 (0xFFCFFFE8)
YUV	238.0260, -2.9708, -27.2098
Hunter-Lab	95.1901, -23.9599, 10.6847

Details

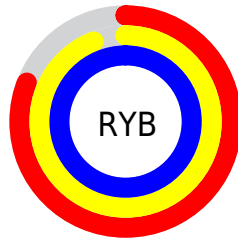
The XYZ color **76.0576, 90.6116, 89.8251** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **77.8362, 71.5997, 84.5806**, and the grayscale version is **81.3218, 85.5569, 93.1715**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **40.9795, 50.1982, 48.6037** is the 20% darker color. If you saturate the color by 10%, you get **67.8236, 86.5604, 80.6932**, and if you desaturate by 10%, it is **85.5645, 95.3050, 99.6493**.

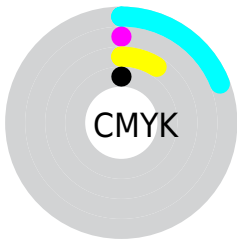
Distribution



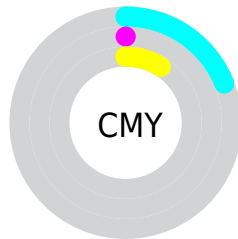
- Red (81%)
- Green (100%)
- Blue (91%)



- Red (81%)
- Yellow (94%)
- Blue (100%)



- Cyan (19%)
- Magenta (0%)
- Yellow (9%)
- Black (0%)





- Cyan (19%)
- Magenta (0%)
- Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 76.0576, 90.6116, 89.8251 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 76.0576, 90.6116, 89.8251 by changing the saturation by 10% instead.


 76.0576, 90.6116,
89.8251

 76.0576, 90.6116,
89.8251


470.4862,
530.0184, 548.0172

 56.7770, 68.4880,
67.2627


126.7882,
148.1876, 149.0288

 41.0656, 50.2949,
48.8352


158.9690,
184.4089, 186.5072

 28.5583, 35.6477,
34.1241


196.1804,
226.0981, 229.7947

 18.8895, 24.1623,
22.7108

238.7880,
273.6398, 279.3098

 11.6940, 15.4540,
14.1768

287.1570,
327.4183, 335.4710

 6.6064, 9.1387,
8.1036

341.6528,

 3.2613, 4.8317,

387.8179, 398.6970

4.0726

402.6407,
455.2231, 469.4062

■ 1.2934, 2.1489,
1.6653

■ 0.1783, 0.6919,
0.3368

■ 76.0576, 90.6116,
89.8251

■ 76.0576, 90.6116,
89.8251

■ 67.8236, 86.5604,
80.6932

■ 85.5645, 95.3050,
99.6493

■ 60.8024, 83.1208,
72.2340

95.0500, 100.0000,
108.9000

■ 54.9328, 80.2615,
64.4327

■ 50.1466, 77.9477,
57.2727

■ 46.3686, 76.1408,
50.7364

■ 43.5128, 74.7969,
44.8052

■ 41.4780, 73.8641,
39.4592

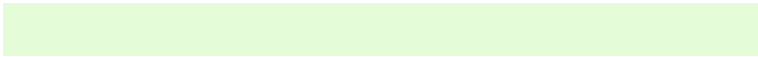
■ 40.1186, 73.2678,
34.6758

■ 39.9811, 73.2084,
34.1479

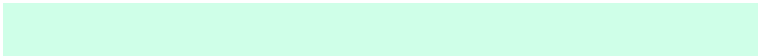
Harmonies

Analogous

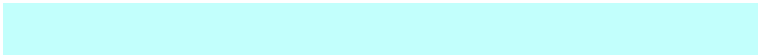
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



78.8487, 90.6116, 77.4802



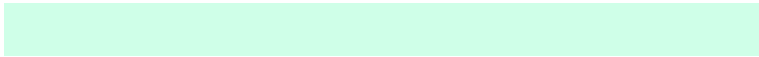
76.0576, 90.6116, 89.8251



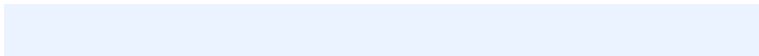
75.8863, 90.6116, 105.9564

Triad

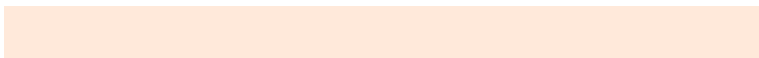
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



76.0576, 90.6116, 89.8251



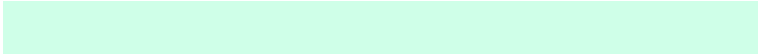
88.6348, 90.6116, 132.4892



94.3725, 90.6116, 78.7270

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



76.0576, 90.6116, 89.8251



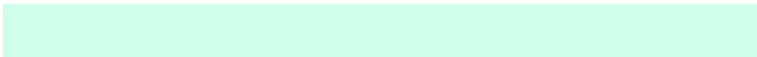
77.8362, 71.5997, 84.5806

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



97.2425, 90.6116, 91.7077



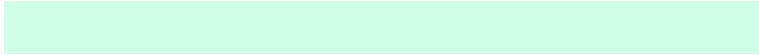
76.0576, 90.6116, 89.8251



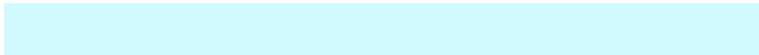
93.8328, 90.6116, 123.3869

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



76.0576, 90.6116, 89.8251



82.9806, 90.6116, 131.8412



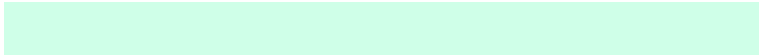
97.0407, 90.6116, 108.0573



89.3450, 90.6116, 71.5739

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



76.0576, 90.6116, 89.8251



77.2680, 90.6116, 116.8200



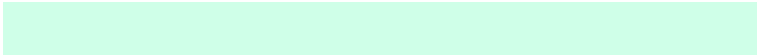
97.0407, 90.6116, 108.0573



95.6312, 90.6116, 82.4879

Sweetspot

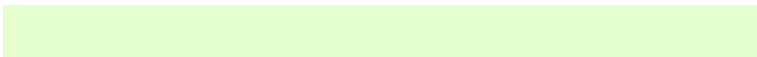
The Sweet Spot groups the original color and five complimentary colors.



76.0584, 90.6120, 89.8266



88.4854, 96.7496, 102.5489



79.7204, 92.8814, 72.7589



18.7928, 20.6358, 21.8050



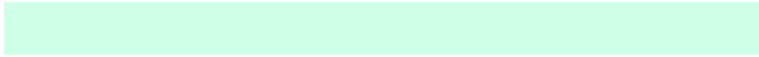
0.0000, 0.0000, 0.0000



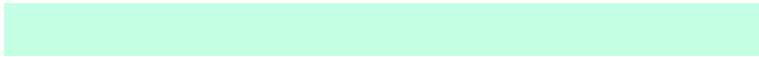
20.3446, 21.4041, 23.3091

Same Dimension

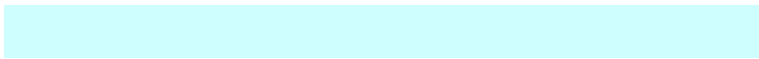
The Same Dimension uses a secret algorithm to generate beautiful new colors.



76.0584, 90.6120, 89.8266



72.4672, 88.8432, 85.9284



79.2880, 91.4963, 108.0894



18.1667, 20.3262, 21.1810



20.9670, 38.2834, 18.2431



2.0967, 3.7496, 2.0671

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



77.8362, 71.5997, 84.5806



74.5749, 66.3043, 79.7102



75.0103, 70.7803, 68.7412



18.3719, 18.1321, 20.5754



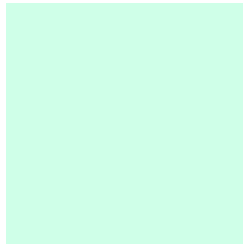
23.4647, 11.8752, 11.0975



2.3395, 1.1782, 1.3692

Previews

White Background



This preview shows how the XYZ color 76.0576, 90.6116, 89.8251 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 76.0576, 90.6116, 89.8251 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

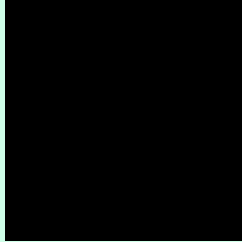
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

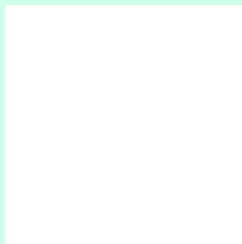
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 76.0576, 90.6116, 89.8251

Background



This preview shows how black text looks on a background with the XYZ color 76.0576, 90.6116, 89.8251.



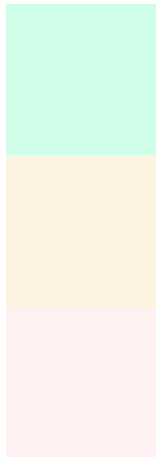
This preview shows how white text looks on a background with the XYZ color 76.0576, 90.6116,

89.8251.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

76.0576, 90.6116, 89.8251

Protanopia

85.7861, 90.2329, 84.1294

Deuteranopia

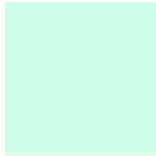
88.2773, 89.9311, 95.9248



Tritanopia

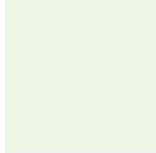
84.2845, 90.2873, 107.5927

Trichromacy



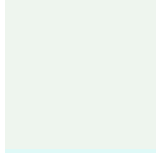
Original Color

76.0576, 90.6116, 89.8251



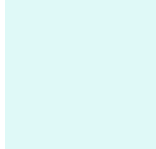
Protanomaly

81.8564, 89.9558, 86.4477



Deuteranomaly

83.3449, 89.6550, 93.8013



Tritanomaly

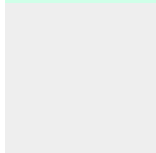
81.0956, 90.1547, 101.1231

Monochromacy



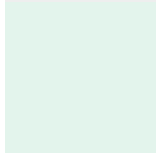
Original Color

76.0576, 90.6116, 89.8251



Achromatopsia

81.2670, 85.4993, 93.1087



Achromatomaly

79.1696, 87.0884, 91.9939

CSS Examples

Text

The CSS property to change the color of the text to XYZ 76.0576, 90.6116, 89.8251 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(207, 255, 232)` looks like.

```
.text, #text, p{  
    color:rgb(207, 255, 232)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(207, 255, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 255, 232) }
```

Border

The CSS property to change the border of an element to XYZ 76.0576, 90.6116, 89.8251 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(207, 255, 232) }
```


If only the border color should be changed use the property border-color.

```
.border{ border-color:rgb(207, 255, 232) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel rgb(207, 255, 232) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(207, 255, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(207, 255, 232);  
box-shadow:4px 4px 4px 4px rgb(207, 255,  
232) }
```

Background

The CSS property to change the background color of an element to XYZ 76.0576, 90.6116, 89.8251 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(207, 255, 232) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(207,  
255, 232) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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