

Converting Colors

XYZ(82.2268, 100.0000,
108.1139)

Have a look what the booklet for
XYZ(82.2268, 100.0000, 108.1139)
contains.

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Color

**XYZ(77.8467, 91.1684,
106.4228)**

Conversions

Conversions Part 1

Format	Color
Hex	CAFFFD
RGB	202, 255, 253
RGB Percent	79%, 100%, 99%
CMY	0.2078, 0.0000, 0.0078
CMYK	0.21, 0.00, 0.01, 0.00
HSL	178°, 100%, 90%
HSV	178°, 21%, 100%
XYZ	77.8467, 91.1684, 106.4228
YIQ	238.9250, -30.9460, -11.8580

Conversions

Conversions Part 2

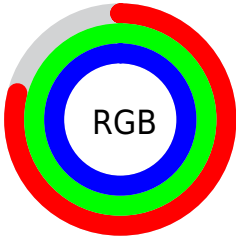
Format	Color
R _Y B	202, 229, 255
Decimal	13303805
CIE Lab	96.48, -17.01, -4.55
CIE LCh	96, 17.612, 194.980
Yxy	91.1684, 0.2826, 0.3310
Android (android.graphics.Color)	4291493885 (0xFFCAFFFD)
YUV	238.9250, 6.9390, -32.3832
Hunter-Lab	95.4821, -21.5625, 0.7539

Details

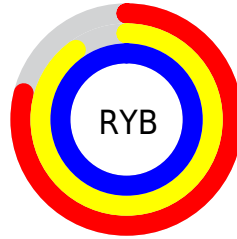
The XYZ color **77.8467, 91.1684, 106.4228** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **73.2603, 67.8619, 66.3646**, and the grayscale version is **81.9505, 86.2183, 93.8917**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **42.1905, 50.5767, 59.7632** is the 20% darker color. If you saturate the color by 10%, you get **71.3554, 87.8396, 105.3229**, and if you desaturate by 10%, it is **85.4808, 95.0861, 107.5832**.

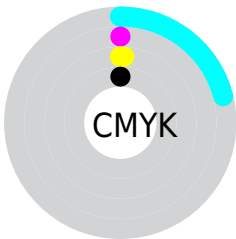
Distribution



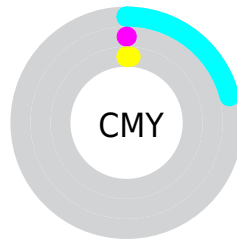
- Red (79%)
- Green (100%)
- Blue (99%)



- Red (79%)
- Yellow (90%)
- Blue (100%)



- Cyan (21%)
- Magenta (0%)
- Yellow (1%)
- Black (0%)



- Cyan (21%)
- Magenta (0%)
- Yellow (1%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 77.8467, 91.1684, 106.4228 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 77.8467, 91.1684, 106.4228 by changing the saturation by 10% instead.

77.8467, 91.1684,
106.4228

77.8467, 91.1684,
106.4228

476.4938,
531.8243, 602.0160

58.2504, 68.9501,
81.0285

129.3005,
148.9603, 172.0845

42.2540, 50.6711,
60.0340

161.8887,
185.3027, 213.1891

29.4922, 35.9469,
43.0205

199.5383,
227.1219, 260.3675

19.5997, 24.3932,
29.5697

242.6146,
274.8024, 314.0382

12.2109, 15.6256,
19.2629

291.4829,
328.7285, 374.6199

6.9607, 9.2596,
11.6817

346.5087,

3.4837, 4.9109,

389.2845, 442.5311

6.4074

408.0572,
456.8550, 518.1903

■ 1.4144, 2.1951,
3.0216

■ 0.2664, 0.7173,
1.1057

■ 77.8467, 91.1684,
106.4228

■ 77.8467, 91.1684,
106.4228

■ 71.3554, 87.8396,
105.3229

■ 85.4808, 95.0861,
107.5832

■ 65.9480, 85.0696,
104.2762

■ 94.3068, 99.6183,
108.8019

■ 61.5647, 82.8274,
103.2815

■ 95.0500, 100.0000,
108.9000

■ 58.1390, 81.0788,
102.3356

■ 55.5964, 79.7853,
101.4350

■ 53.8512, 78.9028,
100.5758

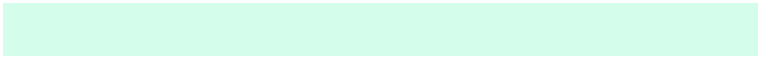
■ 52.8012, 78.3787,
99.7531

■ 52.3003, 78.1361,
99.0202

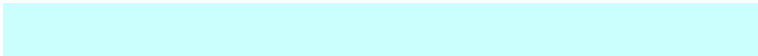
Harmonies

Analogous

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



77.8483, 91.1684, 92.4214



77.8467, 91.1684, 106.4228



80.1431, 91.1684, 119.6374

Triad

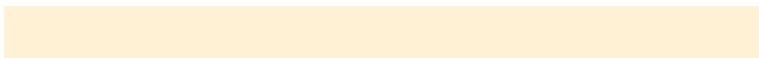
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



77.8467, 91.1684, 106.4228



93.5008, 91.1684, 119.6528



89.1233, 91.1684, 75.3699

Complementary

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



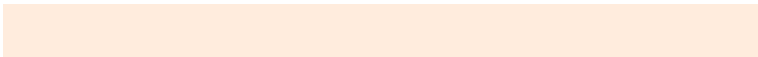
77.8467, 91.1684, 106.4228



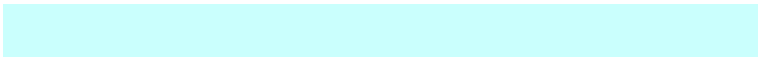
73.2603, 67.8619, 66.3646

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.



93.5058, 91.1684, 81.3508



77.8467, 91.1684, 106.4228



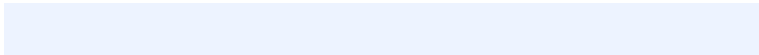
96.0974, 91.1684, 106.4423

Square

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



77.8467, 91.1684, 106.4228



89.1167, 91.1684, 127.7522



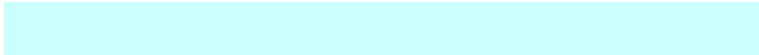
96.0992, 91.1684, 92.4392



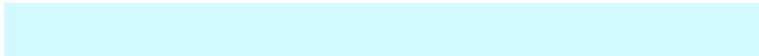
84.2348, 91.1684, 75.3657

Rectangle

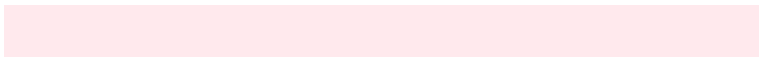
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



77.8467, 91.1684, 106.4228



82.7199, 91.1684, 125.8463



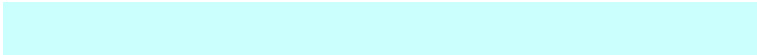
96.0992, 91.1684, 92.4392



90.7085, 91.1684, 76.7211

Sweetspot

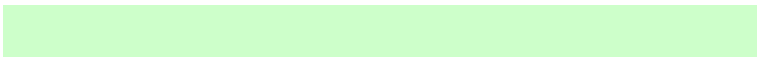
The Sweet Spot groups the original color and five complimentary colors.



77.8477, 91.1689, 106.4243



89.5507, 97.1757, 108.1585



71.5020, 88.7141, 69.2337



19.0451, 20.7367, 23.1334



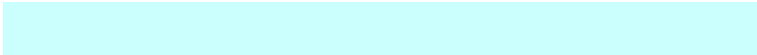
0.0000, 0.0000, 0.0000



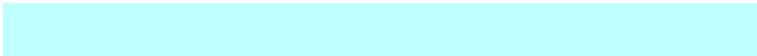
20.3446, 21.4041, 23.3091

Same Dimension

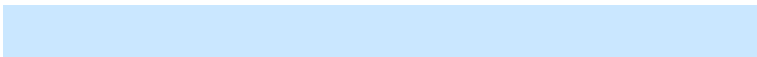
The Same Dimension uses a secret algorithm to generate beautiful new colors.



77.8477, 91.1689, 106.4243



74.9742, 89.6950, 105.9530



71.0260, 77.0134, 105.7293



18.5235, 20.4689, 23.0599



27.3412, 40.8331, 51.8094



2.6710, 3.9793, 5.0913

Inverse Universe

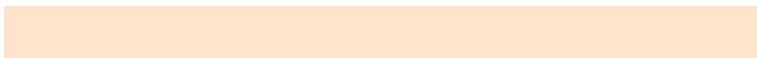
The Inverse Universe completely reimagines the original color for something new.



73.2603, 67.8619, 66.3646



69.6241, 62.5102, 59.2313



79.0569, 79.8363, 67.1219



18.0371, 17.9982, 18.8127



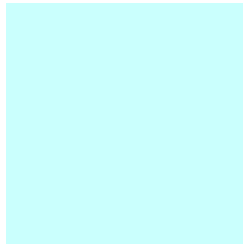
21.5883, 11.1246, 1.2165



2.1113, 1.0869, 0.1675

Previews

White Background



This preview shows how the XYZ color 77.8467, 91.1684, 106.4228 looks on a white background.

Color Contrast Check

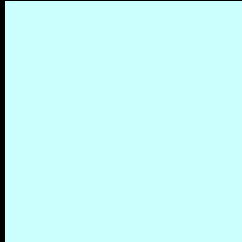
Large Text (above 18pt) WCAG AA × Fail

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 77.8467, 91.1684, 106.4228 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

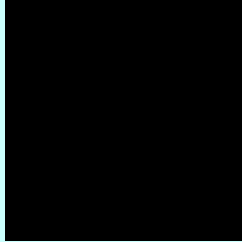
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 77.8467, 91.1684, 106.4228

Background



This preview shows how black text looks on a background with the XYZ color 77.8467, 91.1684, 106.4228.



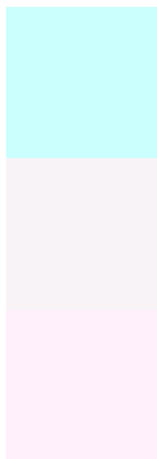
This preview shows how white text looks on a background with the XYZ color 77.8467, 91.1684,

106.4228.

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

77.8467, 91.1684, 106.4228

Protanopia

87.3965, 90.7115, 100.0915

Deuteranopia

89.9708, 90.6085, 104.8427



Tritanopia

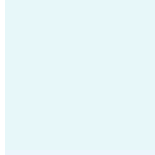
84.2658, 90.7305, 107.6792

Trichromacy



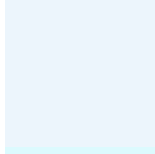
Original Color

77.8467, 91.1684, 106.4228



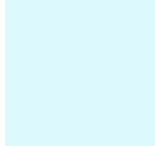
Protanomaly

83.3146, 90.3500, 102.6707



Deuteranomaly

84.8152, 90.1660, 105.0290



Tritanomaly

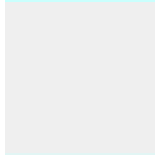
81.5902, 90.7426, 106.9807

Monochromacy



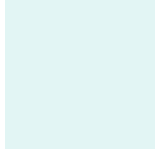
Original Color

77.8467, 91.1684, 106.4228



Achromatopsia

82.0431, 86.3157, 93.9978



Achromatomaly

80.3456, 88.0052, 98.3400

CSS Examples

Text

The CSS property to change the color of the text to XYZ 77.8467, 91.1684, 106.4228 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(202, 255, 253)` looks like.

```
.text, #text, p{  
    color:rgb(202, 255, 253)  
}
```

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(202, 255, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 255, 253) }
```

Border

The CSS property to change the border of an element to XYZ 77.8467, 91.1684, 106.4228 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(202, 255, 253) }
```


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

```
.border{ border-color:rgb(202, 255, 253) }
```

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

Here you see how a box with a 4 pixel `rgb(202, 255, 253)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 255, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 255, 253);  
box-shadow:4px 4px 4px 4px rgb(202, 255,  
253) }
```

Background

The CSS property to change the background color of an element to XYZ 77.8467, 91.1684, 106.4228 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 255, 253) }
```

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

```
.background{ background-color: rgb(202,  
255, 253) }
```

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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