

Converting Colors

XYZ(100.3211, 89.0535,
234.4599)

Have a look what the booklet for
XYZ(100.3211, 89.0535, 234.4599)
contains.

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Color

**XYZ(76.1411, 79.5875,
105.9566)**

Conversions

Conversions Part 1

Format	Color
Hex	DCE7FF
RGB	220, 231, 255
RGB Percent	86%, 91%, 100%
CMY	0.1372, 0.0941, 0.0000
CMYK	0.14, 0.09, 0.00, 0.00
HSL	221°, 100%, 93%
HSV	221°, 14%, 100%
XYZ	76.1411, 79.5875, 105.9566
YIQ	230.4470, -14.2600, 5.1320

Conversions

Conversions Part 2

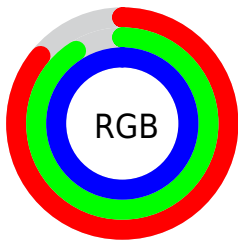
Format	Color
R _Y B	220, 228, 255
Decimal	14477311
CIE Lab	91.50, 1.01, -12.85
CIE LCh	91, 12.888, 274.493
Yxy	79.5875, 0.2910, 0.3041
Android (android.graphics.Color)	4292667391 (0xFFDCE7FF)
YUV	230.4470, 12.1046, -9.1620
Hunter-Lab	89.2118, -3.7733, -7.9703

Details

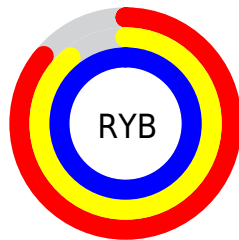
The XYZ color **76.1411, 79.5875, 105.9566** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **86.5084, 91.1270, 80.7415**, and the grayscale version is **75.4674, 79.3976, 86.4639**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **41.2354, 43.1272, 59.5771** is the 20% darker color. If you saturate the color by 10%, you get **64.3531, 66.6075, 104.0725**, and if you desaturate by 10%, it is **89.5994, 94.1583, 108.0597**.

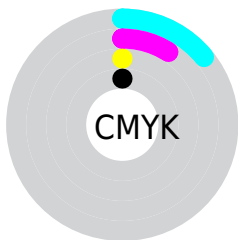
Distribution



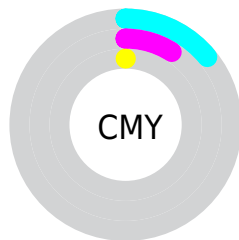
- Red (86%)
- Green (91%)
- Blue (100%)



- Red (86%)
- Yellow (89%)
- Blue (100%)



- Cyan (14%)
- Magenta (9%)
- Yellow (0%)
- Black (0%)



- Cyan (14%)
- Magenta (9%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 76.1411, 79.5875, 105.9566 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 76.1411, 79.5875, 105.9566 by changing the saturation by 10% instead.

■ 76.1411, 79.5875,
105.9566

■ 76.1411, 79.5875,
105.9566

470.7675,
493.5416, 600.5349

■ 56.8457, 59.3790,
80.6399

126.9056,
132.7856, 171.4421

■ 41.1210, 42.9183,
59.7158

159.1055,
166.5440, 212.4480

■ 28.6017, 29.8210,
42.7658

196.3375,
205.5878, 259.5207

■ 18.9225, 19.7028,
29.3714

238.9670,
250.3014, 313.0787

■ 11.7180, 12.1792,
19.1139

287.3594,
301.0691, 373.5406

■ 6.6228, 6.8658,
11.5750

341.8801,

■ 3.2715, 3.3783,

358.2755, 441.3249

6.3360

402.8943,
422.3049, 516.8502

■ 1.2989, 1.3323,
2.9784

■ 0.1824, 0.1660,
1.0836

■ 76.1411, 79.5875,
105.9566

■ 76.1411, 79.5875,
105.9566

■ 64.3531, 66.6075,
104.0725

■ 89.5994, 94.1583,
108.0597

■ 54.1614, 55.1527,
102.3987

95.0500, 100.0000,
108.9000

■ 45.4961, 45.1671,
100.9280

■ 38.2791, 36.5869,
99.6522

■ 32.4252, 29.3438,
98.5627

■ 27.8394, 23.3624,
97.6498

■ 24.4132, 18.5590,
96.9033

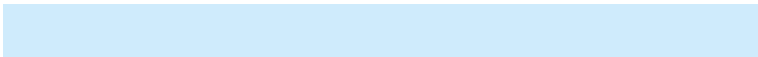
■ 22.0168, 14.8364,
96.3110

■ 20.9311, 12.9822,
96.0104

Harmonies

Analogous

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



72.9599, 79.5875, 104.0175



76.1411, 79.5875, 105.9566



79.2766, 79.5875, 102.4262

Triad

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



76.1411, 79.5875, 105.9566



80.9679, 79.5875, 76.8180



70.0906, 79.5875, 79.1038

Complementary

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



76.1411, 79.5875, 105.9566



86.5084, 91.1270, 80.7415

Split Complementary

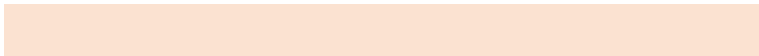
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



72.1270, 79.5875, 72.5960



76.1411, 79.5875, 105.9566



78.3962, 79.5875, 71.3448

Square

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



76.1411, 79.5875, 105.9566



82.1141, 79.5875, 85.2488



75.1521, 79.5875, 69.8564



69.5259, 79.5875, 88.0812

Rectangle

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



76.1411, 79.5875, 105.9566



80.9009, 79.5875, 97.5859



75.1521, 79.5875, 69.8564



70.6228, 79.5875, 76.5766

Sweetspot

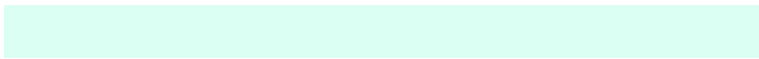
The Sweet Spot groups the original color and five complimentary colors.



76.1432, 79.5907, 105.9571



89.2059, 93.7355, 107.9988



81.5925, 93.2626, 99.2233



18.8651, 19.8174, 23.0808



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.



76.1432, 79.5907, 105.9571



73.3165, 76.4993, 105.5094



75.1392, 74.6441, 105.0552



17.4690, 18.3095, 22.8633



11.0540, 7.0177, 50.2065



1.1692, 0.8691, 4.9194

Inverse Universe

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



81.2583, 78.2174, 86.4198



79.2061, 75.0020, 82.9949



87.5973, 96.7508, 81.7696



18.2446, 18.0812, 19.9052



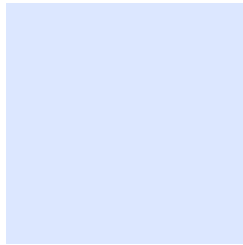
22.3678, 11.4364, 5.3211



2.2248, 1.1323, 0.7651

Previews

White Background



This preview shows how the XYZ color 76.1411, 79.5875, 105.9566 looks on a white background.

Color Contrast Check

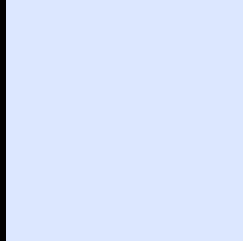
Large Text (above 18pt) WCAG AA × Fail

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 76.1411, 79.5875, 105.9566 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

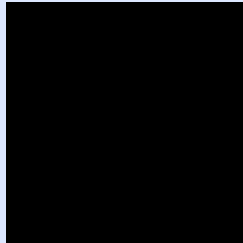
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 76.1411, 79.5875, 105.9566

Background



This preview shows how black text looks on a background with the XYZ color 76.1411, 79.5875, 105.9566.



This preview shows how white text looks on a background with the XYZ color 76.1411, 79.5875,

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

76.1411, 79.5875, 105.9566

Protanopia

77.9036, 79.6884, 105.0414

Deuteranopia

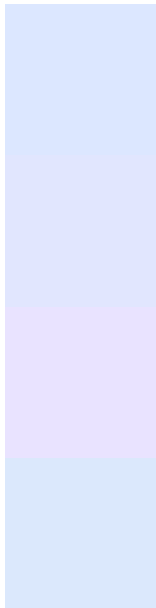
80.9104, 79.5957, 105.7068



Tritanopia

75.3253, 79.6754, 101.8513

Trichromacy



Original Color

76.1411, 79.5875, 105.9566

Protanomaly

77.2375, 79.7569, 105.0897

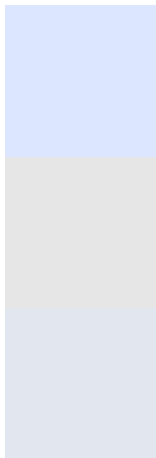
Deuteranomaly

79.1234, 79.4818, 105.7790

Tritanomaly

75.6407, 79.8016, 103.5120

Monochromacy



Original Color

76.1411, 79.5875, 105.9566

Achromatopsia

75.2129, 79.1298, 86.1723

Achromatomaly

75.2408, 78.9944, 92.9432

CSS Examples

Text

The CSS property to change the color of the text to XYZ 76.1411, 79.5875, 105.9566 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(220, 231, 255)` looks like.

```
.text, #text, p{  
    color:rgb(220, 231, 255)  
}
```

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(220, 231, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 231, 255) }
```

Border

The CSS property to change the border of an element to XYZ 76.1411, 79.5875, 105.9566 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(220, 231, 255) }
```


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

```
.border{ border-color:rgb(220, 231, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(220, 231, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 231, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 231, 255);  
box-shadow:4px 4px 4px 4px rgb(220, 231,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 76.1411, 79.5875, 105.9566 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 231, 255) }
```

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

```
.background{ background-color: rgb(220,  
231, 255) }
```

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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