

Converting Colors

XYZ(71.2383, 80.7509, 90.8500)

Have a look what the booklet for
XYZ(71.2383, 80.7509, 90.8500)
contains.

XYZ(71.4604, 80.9109, 91.2079)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(71.4604, 80.9109,
91.2079)**

Conversions

Conversions Part 1

Format	Color
Hex	CEEFECC
RGB	206, 239, 236
RGB Percent	81%, 94%, 93%
CMY	0.1921, 0.0627, 0.0745
CMYK	0.14, 0.00, 0.01, 0.06
HSL	175°, 51%, 87%
HSV	175°, 14%, 94%
XYZ	71.4604, 80.9109, 91.2079
YIQ	228.7910, -18.7050, -7.9290

Conversions

Conversions Part 2

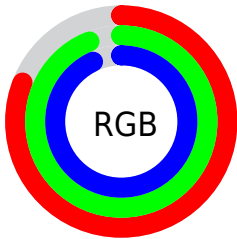
Format	Color
R _{YB}	206, 223, 239
Decimal	13561836
CIE _{Lab}	92.09, -11.26, -2.17
CIE _{LCh}	92, 11.469, 190.894
Y _{xy}	80.9109, 0.2934, 0.3322
Android (android.graphics.Color)	4291751916 (0xFFCEEFECE)
Y _{UV}	228.7910, 3.5540, -19.9877
Hunter-Lab	89.9505, -15.6055, 2.8465

Details

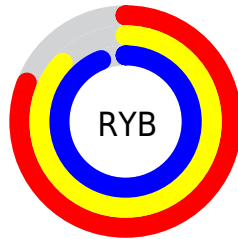
The XYZ color **71.4604, 80.9109, 91.2079** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **69.1794, 67.0989, 69.6304**, and the grayscale version is **74.3090, 78.1788, 85.1368**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **37.9342, 43.7416, 49.6236** is the 20% darker color. If you saturate the color by 10%, you get **65.0098, 77.6239, 89.2680**, and if you desaturate by 10%, it is **78.9284, 84.7263, 93.2189**.

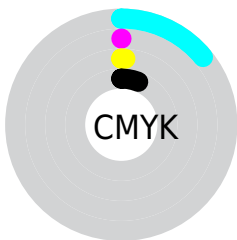
Distribution



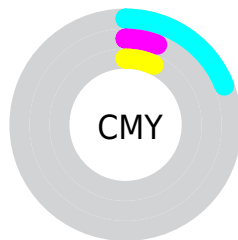
- Red (81%)
- Green (94%)
- Blue (93%)



- Red (81%)
- Yellow (87%)
- Blue (94%)



- Cyan (14%)
- Magenta (0%)
- Yellow (1%)
- Black (6%)



- Cyan (19%)
- Magenta (6%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 71.4604, 80.9109, 91.2079 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 71.4604, 80.9109, 91.2079 by changing the saturation by 10% instead.

71.4604, 80.9109,
91.2079

71.4604, 80.9109,
91.2079

454.8481,
497.9973, 552.6235

53.0019, 60.4682,
68.4036

120.3040,
134.6457, 150.9652

38.0318, 43.7961,
49.7574

151.4198,
168.7065, 188.7553

26.1847, 30.5103,
34.8508

187.4854,
208.0756, 232.3777

17.0952, 20.2262,
23.2654

228.8662,
253.1372, 282.2510

10.3981, 12.5596,
14.5824

275.9275,
304.2758, 338.7936

5.7280, 7.1260,
8.3835

329.0347,

2.7195, 3.5410,

361.8757, 402.4243

4.2500

388.5531,
426.3215, 473.5614

■ 1.0072, 1.4203,
1.7635

■ 0.0000, 0.2316,
0.4037

■ 71.4604, 80.9109,
91.2079

■ 71.4604, 80.9109,
91.2079

■ 65.0098, 77.6239,
89.2680

■ 78.9284, 84.7263,
93.2189

■ 59.5242, 74.8319,
87.3916

■ 87.4495, 89.0818,
95.2977

■ 54.9570, 72.5128,
85.5781

■ 88.2142, 89.4384,
97.0336

■ 51.2551, 70.6394,
83.8250

■ 88.5439, 89.5703,
98.7696

■ 48.3598, 69.1813,
82.1294

■ 88.8774, 89.7037,
100.5260

■ 46.2051, 68.1047,
80.4883

■ 89.2149, 89.8387,
102.3031

■ 44.7147, 67.3700,
78.8979

■ 89.5563, 89.9753,
104.1009

■ 43.7955, 66.9293,
77.3538

■ 89.9016, 90.1134,
105.9195

■ 43.4256, 66.7590,
76.4169

■ 90.1580, 90.2159,
107.2693

Harmonies

Analogous

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



71.6610, 80.9109, 82.8811



71.4604, 80.9109, 91.2079



72.6898, 80.9109, 99.1805

Triad

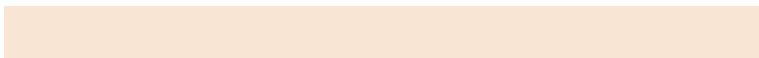
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



71.4604, 80.9109, 91.2079



80.6815, 80.9109, 100.9736



78.7773, 80.9109, 73.6061

Complementary

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



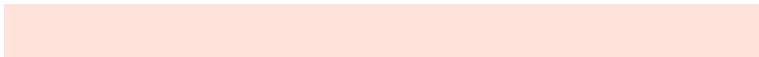
71.4604, 80.9109, 91.2079



69.1794, 67.0989, 69.6304

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.



81.2767, 80.9109, 77.8738



71.4604, 80.9109, 91.2079



82.3954, 80.9109, 93.5298

Square

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



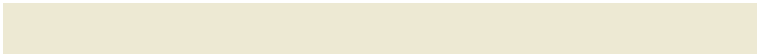
71.4604, 80.9109, 91.2079



77.9817, 80.9109, 105.0540



82.6160, 80.9109, 85.0600



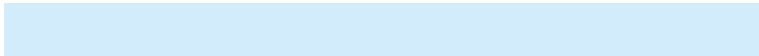
75.8351, 80.9109, 73.0727

Rectangle

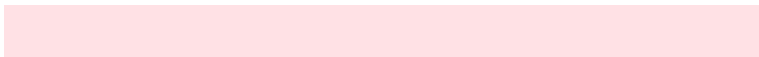
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



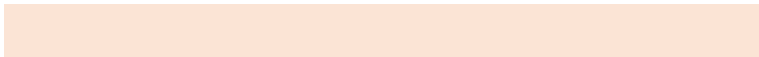
71.4604, 80.9109, 91.2079



74.1739, 80.9109, 103.0865



82.6160, 80.9109, 85.0600



79.6990, 80.9109, 74.6381

Sweetspot

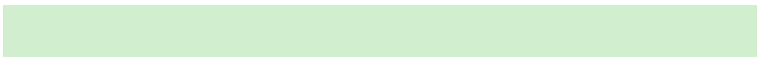
The Sweet Spot groups the original color and five complimentary colors.



71.4627, 80.9143, 91.2097



91.2473, 98.0569, 107.9438



68.3889, 79.7917, 70.1907



19.3823, 20.9124, 23.0662



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.



71.4627, 80.9143, 91.2097



80.2319, 92.4336, 104.9251



68.1780, 73.6405, 92.2859



16.1817, 17.9027, 19.9798



24.0226, 36.9011, 42.3635



2.0165, 3.0770, 3.6190

Inverse Universe

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



69.1794, 67.0989, 69.6304



77.0384, 73.1091, 74.7426



72.1237, 73.5771, 68.7943



15.8312, 15.7822, 16.6674



19.7704, 10.1806, 1.4414



1.6645, 0.8548, 0.2239

Previews

White Background



This preview shows how the XYZ color 71.4604, 80.9109, 91.2079 looks on a white background.

Color Contrast Check

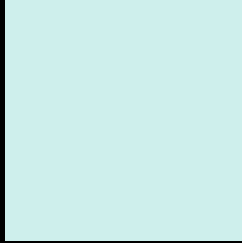
Large Text (above 18pt) WCAG AA × Fail

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 71.4604, 80.9109, 91.2079 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

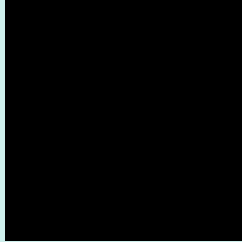
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

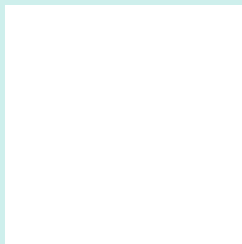
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 71.4604, 80.9109, 91.2079

Background



This preview shows how black text looks on a background with the XYZ color 71.4604, 80.9109, 91.2079.

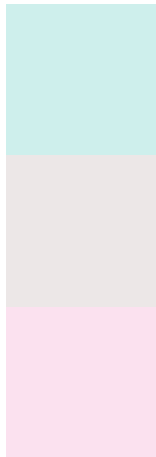


This preview shows how white text looks on a background with the XYZ color 71.4604, 80.9109,

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

71.4604, 80.9109, 91.2079

Protanopia

77.5918, 80.7542, 87.0989

Deuteranopia

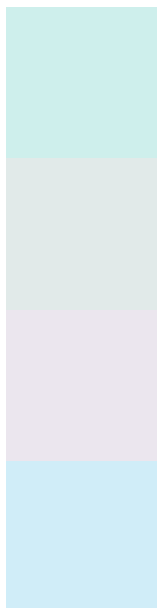
82.2889, 80.5917, 92.8800



Tritanopia

74.3399, 80.7662, 106.2790

Trichromacy



Original Color

71.4604, 80.9109, 91.2079

Protanomaly

75.1821, 80.7364, 88.7120

Deuteranomaly

77.9904, 80.4288, 92.3027

Tritanomaly

73.2399, 80.7556, 100.5342

Monochromacy



Original Color

71.4604, 80.9109, 91.2079

Achromatopsia

74.4753, 78.3538, 85.3273

Achromatomaly

73.5232, 79.4762, 87.8093

CSS Examples

Text

The CSS property to change the color of the text to XYZ 71.4604, 80.9109, 91.2079 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(206, 239, 236)` looks like.

```
.text, #text, p{  
    color:rgb(206, 239, 236)  
}
```

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(206, 239, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 239, 236) }
```

Border

The CSS property to change the border of an element to XYZ 71.4604, 80.9109, 91.2079 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(206, 239, 236) }
```


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

```
.border{ border-color:rgb(206, 239, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(206, 239, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(206, 239, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(206, 239, 236);  
box-shadow:4px 4px 4px 4px rgb(206, 239,  
236) }
```

Background

The CSS property to change the background color of an element to XYZ 71.4604, 80.9109, 91.2079 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 239, 236) }
```

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

```
.background{ background-color: rgb(206,  
239, 236) }
```

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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