

Converting Colors

XYZ(50.8311, 50.1480, 90.4459)

Have a look what the booklet for
XYZ(50.8311, 50.1480, 90.4459)
contains.

XYZ(50.6817, 50.0475, 90.2080)	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(50.6817, 50.0475,
90.2080)**

Conversions

Conversions Part 1

Format	Color
Hex	AEB9F1
RGB	174, 185, 241
RGB Percent	68%, 73%, 95%
CMY	0.3176, 0.2745, 0.0549
CMYK	0.28, 0.23, 0.00, 0.05
HSL	230°, 71%, 81%
HSV	230°, 28%, 95%
XYZ	50.6817, 50.0475, 90.2080
YIQ	188.0950, -24.5320, 15.0840

Conversions

Conversions Part 2

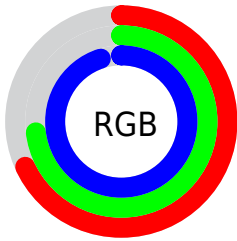
Format	Color
RYB	174, 183, 241
Decimal	11450865
CIELab	76.10, 8.48, -29.05
CIELCh	76, 30.263, 286.268
Yxy	50.0475, 0.2654, 0.2621
Android (android.graphics.Color)	4289640945 (0xFFAEB9F1)
YUV	188.0950, 26.0822, -12.3613
Hunter-Lab	70.7443, 4.0762, -26.0814

Details

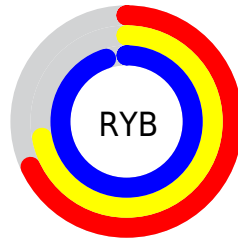
The XYZ color **50.6817, 50.0475, 90.2080** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **72.2132, 78.3508, 51.3631**, and the grayscale version is **47.7218, 50.2070, 54.6754**.

A 20% lighter version of the original color is **82.4603, 87.1195, 107.0774**, and **24.7539, 23.9984, 49.2264** is the 20% darker color. If you saturate the color by 10%, you get **41.8672, 39.6859, 88.6734**, and if you desaturate by 10%, it is **61.0597, 62.1036, 91.9889**.

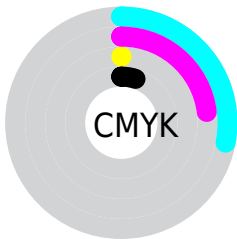
Distribution



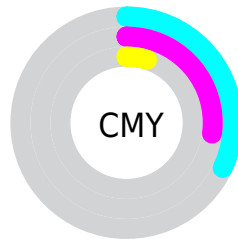
- Red (68%)
- Green (73%)
- Blue (95%)



- Red (68%)
- Yellow (72%)
- Blue (95%)



- Cyan (28%)
- Magenta (23%)
- Yellow (0%)
- Black (5%)



- Cyan (32%)
- Magenta (27%)
- Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 50.6817, 50.0475, 90.2080 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 50.6817, 50.0475, 90.2080 by changing the saturation by 10% instead.

■ 50.6817, 50.0475,
90.2080

■ 50.6817, 50.0475,
90.2080

379.7339,
386.8517, 549.2948

■ 36.1754, 35.4511,
67.5785

■ 90.3699, 90.2453,
149.5653

■ 24.7404, 24.0106,
49.0903

116.2825,
116.6154, 187.1302

■ 16.0115, 15.3415,
34.3250

146.7278,
147.6790, 230.5106

■ 9.6232, 9.0594,
22.8640

182.0713,
183.8204, 280.1252

■ 5.2102, 4.7799,
14.2888

222.6783,
225.4239, 336.3923

■ 2.4071, 2.1187,
8.1808

268.9142,

■ 0.8487, 0.6751,

272.8741, 399.7306

4.1214

321.1443,
326.5552, 470.5586

■ 0.0000, 0.0000,
1.6922

■ 0.0000, 0.0000,
0.3554

■ 50.6817, 50.0475,
90.2080

■ 50.6817, 50.0475,
90.2080

■ 41.8672, 39.6859,
88.6734

■ 61.0597, 62.1036,
91.9889

■ 34.5348, 30.9363,
87.3711

■ 73.0675, 75.9199,
94.0229

■ 28.6031, 23.7182,
86.2905

■ 86.7734, 91.5656,
96.3204

■ 23.9807, 17.9417,
85.4191

■ 92.8773, 99.1309,
97.4590

■ 20.5649, 13.5071,
84.7432

■ 18.2371, 10.3013,
84.2471

■ 16.8445, 8.1867,
83.9123

■ 16.6218, 7.8398,
83.8571

Harmonies

Analogous

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



45.0326, 50.0475, 90.7083



50.6817, 50.0475, 90.2080



55.8705, 50.0475, 78.9936

Triad

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



50.6817, 50.0475, 90.2080



55.4924, 50.0475, 34.9381



37.7639, 50.0475, 47.4268

Complementary

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



50.6817, 50.0475, 90.2080



72.2132, 78.3508, 51.3631

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.



40.1328, 50.0475, 35.6681



50.6817, 50.0475, 90.2080



50.1981, 50.0475, 29.4848

Square

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



50.6817, 50.0475, 90.2080



58.7949, 50.0475, 46.2230



44.5858, 50.0475, 29.7224



37.8709, 50.0475, 63.6953

Rectangle

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



50.6817, 50.0475, 90.2080



58.2388, 50.0475, 68.0189



44.5858, 50.0475, 29.7224



38.2885, 50.0475, 42.8911

Sweetspot

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



50.6833, 50.0495, 90.2092



82.7389, 85.9339, 106.8338



63.1716, 77.6141, 86.3928



17.2439, 17.8594, 22.7883



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.



50.6833, 50.0495, 90.2092



52.0913, 50.4199, 101.5942



53.8664, 48.4050, 89.7240



15.1069, 15.6479, 19.9457



9.0778, 4.3799, 45.4948



0.8162, 0.4865, 3.8051

Inverse Universe

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



60.1700, 52.4772, 52.8589



64.4964, 53.8179, 52.7035



68.2096, 80.9760, 52.0808



15.8787, 15.8012, 16.9172



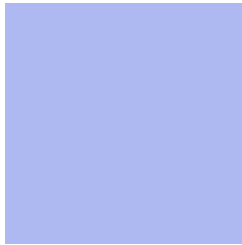
19.9077, 10.2355, 2.1645



1.6869, 0.8638, 0.3423

Previews

White Background



This preview shows how the XYZ color 50.6817, 50.0475, 90.2080 looks on a white background.

Color Contrast Check

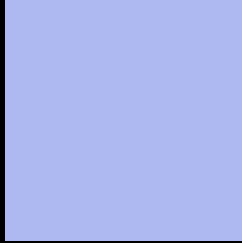
Large Text (above 18pt) WCAG AA × Fail

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 50.6817, 50.0475, 90.2080 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

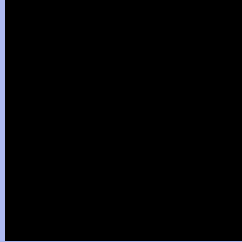
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 50.6817, 50.0475, 90.2080

Background



This preview shows how black text looks on a background with the XYZ color 50.6817, 50.0475, 90.2080.



This preview shows how white text looks on a background with the XYZ color 50.6817, 50.0475,

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

50.6817, 50.0475, 90.2080

Protanopia

50.4597, 49.9330, 90.1976

Deuteranopia

51.1491, 49.9790, 90.1701



Tritanopia

45.8296, 49.9821, 66.2635

Trichromacy



Original Color

50.6817, 50.0475, 90.2080

Protanomaly

50.4597, 49.9330, 90.1976

Deuteranomaly

50.9222, 49.8620, 90.1595

Tritanomaly

47.5613, 50.0557, 74.1728

Monochromacy



Original Color

50.6817, 50.0475, 90.2080

Achromatopsia

47.7994, 50.2886, 54.7643

Achromatomaly

48.5612, 50.1129, 66.1448

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.6817, 50.0475, 90.2080 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(174, 185, 241)` looks like.

```
.text, #text, p{  
    color:rgb(174, 185, 241)  
}
```

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(174, 185, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 185, 241) }
```

Border

The CSS property to change the border of an element to XYZ 50.6817, 50.0475, 90.2080 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(174, 185, 241) }
```


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

```
.border{ border-color:rgb(174, 185, 241) }
```

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

Here you see how a box with a 4 pixel `rgb(174, 185, 241)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(174, 185, 241); -webkit-box-  
shadow:4px 4px 4px 4px rgb(174, 185, 241);  
box-shadow:4px 4px 4px 4px rgb(174, 185,  
241) }
```

Background

The CSS property to change the background color of an element to XYZ 50.6817, 50.0475, 90.2080 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 185, 241) }
```

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

```
.background{ background-color: rgb(174,  
185, 241) }
```

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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