

Converting Colors

XYZ(44.7814, 46.7039, 79.7597)

Have a look what the booklet for
XYZ(44.7814, 46.7039, 79.7597)
contains.

XYZ(44.8417, 46.6365, 80.0371)	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(44.8417, 46.6365,
80.0371)**

Conversions

Conversions Part 1

Format	Color
Hex	9DB7E4
RGB	157, 183, 228
RGB Percent	62%, 72%, 89%
CMY	0.3843, 0.2823, 0.1059
CMYK	0.31, 0.20, 0.00, 0.11
HSL	218°, 57%, 75%
HSV	218°, 31%, 89%
XYZ	44.8417, 46.6365, 80.0371
YIQ	180.3560, -29.9410, 8.4830

Conversions

Conversions Part 2

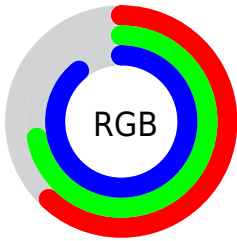
Format	Color
R _Y B	157, 176, 228
Decimal	10336228
CIE Lab	73.96, 1.50, -25.40
CIE LCh	74, 25.445, 273.371
Yxy	46.6365, 0.2614, 0.2719
Android (android.graphics.Color)	4288526308 (0xFF9DB7E4)
YUV	180.3560, 23.4885, -20.4832
Hunter-Lab	68.2909, -2.3011, -21.6844

Details

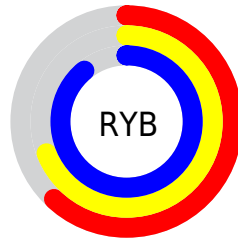
The XYZ color **44.8417, 46.6365, 80.0371** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **59.2020, 61.1700, 40.5864**, and the grayscale version is **43.4641, 45.7276, 49.7974**.

A 20% lighter version of the original color is **76.3571, 83.0991, 106.6230**, and **21.1379, 21.8869, 42.1402** is the 20% darker color. If you saturate the color by 10%, you get **37.9726, 38.8964, 78.9060**, and if you desaturate by 10%, it is **52.8499, 55.4202, 81.3113**.

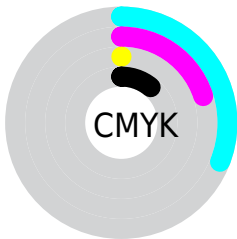
Distribution



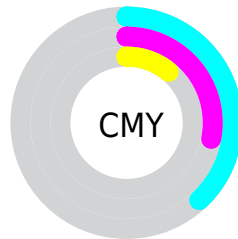
- Red (62%)
- Green (72%)
- Blue (89%)



- Red (62%)
- Yellow (69%)
- Blue (89%)



- Cyan (31%)
- Magenta (20%)
- Yellow (0%)
- Black (11%)



- Cyan (38%)
- Magenta (28%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 44.8417, 46.6365, 80.0371 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 44.8417, 46.6365, 80.0371 by changing the saturation by 10% instead.

■ 44.8417, 46.6365,
80.0371

■ 44.8417, 46.6365,
80.0371

356.9266,
373.3617, 514.7679

■ 31.5335, 32.7484,
59.2225

■ 81.7213, 85.1708,
135.2298

■ 21.1592, 21.9338,
42.3711

■ 106.0235,
110.5857, 170.4449

■ 13.3536, 13.8082,
29.0642

134.7210,
140.6118, 211.2974

■ 7.7511, 7.9874,
18.8834

168.1793,
175.6332, 258.2057

■ 3.9866, 4.0869,
11.4101

206.7636,
216.0346, 311.5883

■ 1.6945, 1.7223,
6.2258

250.8393,

■ 0.4529, 0.4380,

262.2002, 371.8639

2.9118

300.7719,
314.5144, 439.4509

■ 0.0000, 0.0000,
1.0498

■ 0.0000, 0.0000,
0.0000

■ 44.8417, 46.6365,
80.0371

■ 44.8417, 46.6365,
80.0371

■ 37.9726, 38.8964,
78.9060

■ 52.8499, 55.4202,
81.3113

■ 32.1827, 32.1523,
77.9094

■ 62.0441, 65.2816,
82.7301

■ 27.4129, 26.3604,
77.0428

■ 72.4740, 76.2599,
84.2994

■ 23.5964, 21.4713,
76.3003

■ 84.1851, 88.3905,
86.0236

■ 20.6575, 17.4298,
75.6751

■ 91.0037, 98.3815,
87.5927

■ 18.5067, 14.1731,
75.1598

■ 17.1351, 11.8643,
74.7865

Harmonies

Analogous

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



40.5292, 46.6365, 76.5570



44.8417, 46.6365, 80.0371



49.3020, 46.6365, 74.6410

Triad

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



44.8417, 46.6365, 80.0371



52.0210, 46.6365, 38.2354



36.9744, 46.6365, 40.3810

Complementary

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



44.8417, 46.6365, 80.0371



59.2020, 61.1700, 40.5864

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.



39.6977, 46.6365, 32.6366



44.8417, 46.6365, 80.0371



48.3541, 46.6365, 31.5544

Square

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



44.8417, 46.6365, 80.0371



53.6212, 46.6365, 49.3238



43.8154, 46.6365, 29.6933



36.1734, 46.6365, 52.2630

Rectangle

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



44.8417, 46.6365, 80.0371



51.7050, 46.6365, 67.1974



43.8154, 46.6365, 29.6933



37.6858, 46.6365, 37.2800

Sweetspot

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



44.8432, 46.6383, 80.0382



82.6390, 86.9723, 107.0395



52.3059, 66.9186, 66.0174



17.2854, 18.1890, 22.8497



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.



44.8432, 46.6383, 80.0382



52.2379, 53.8816, 102.2547



41.8858, 37.8744, 78.5024



14.0129, 14.7471, 18.2523



9.9977, 7.0576, 43.2185



0.8250, 0.6939, 3.2224

Inverse Universe

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



52.6004, 44.0282, 50.5276



63.7970, 50.5769, 58.1495



62.9034, 72.9098, 42.6574



14.5941, 14.4548, 16.0628



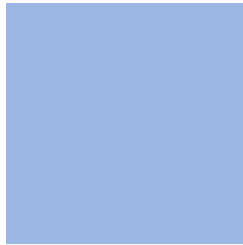
19.4399, 9.9102, 5.9455



1.4800, 0.7497, 0.6684

Previews

White Background



This preview shows how the XYZ color 44.8417, 46.6365, 80.0371 looks on a white background.

Color Contrast Check

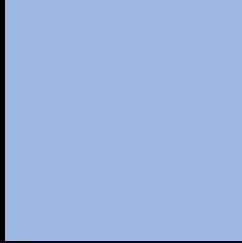
Large Text (above 18pt) WCAG AA × Fail

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 44.8417, 46.6365, 80.0371 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

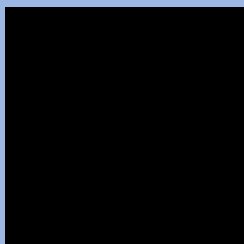
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 44.8417, 46.6365, 80.0371

Background



This preview shows how black text looks on a background with the XYZ color 44.8417, 46.6365, 80.0371.



This preview shows how white text looks on a background with the XYZ color 44.8417, 46.6365,

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

44.8417, 46.6365, 80.0371

Protanopia

46.6263, 46.6796, 78.5041

Deuteranopia

47.5188, 46.4966, 80.5990



Tritanopia

41.4064, 46.8100, 62.7300

Trichromacy



Original Color

44.8417, 46.6365, 80.0371

Protanomaly

45.9061, 46.5931, 79.2469

Deuteranomaly

46.6126, 46.6245, 80.6714

Tritanomaly

42.4536, 46.5933, 68.3839

Monochromacy



Original Color

44.8417, 46.6365, 80.0371

Achromatopsia

43.3819, 45.6411, 49.7032

Achromatomaly

43.6152, 45.8496, 59.3744

CSS Examples

Text

The CSS property to change the color of the text to XYZ 44.8417, 46.6365, 80.0371 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(157, 183, 228)` looks like.

```
.text, #text, p{  
    color:rgb(157, 183, 228)  
}
```

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(157, 183, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 183, 228) }
```

Border

The CSS property to change the border of an element to XYZ 44.8417, 46.6365, 80.0371 is called "border". The border property can be set on classes, ids or directly on the HTML element.

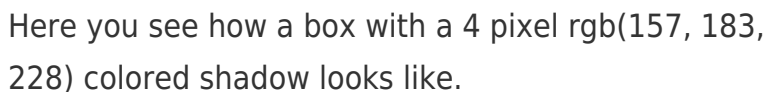
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(157, 183, 228) }
```


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

```
.border{ border-color:rgb(157, 183, 228) }
```

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



Here you see how a box with a 4 pixel `rgb(157, 183, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 183, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 183, 228);  
box-shadow:4px 4px 4px 4px rgb(157, 183,  
228) }
```

Background

The CSS property to change the background color of an element to XYZ 44.8417, 46.6365, 80.0371 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 183, 228) }
```

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

```
.background{ background-color: rgb(157,  
183, 228) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor