

Converting Colors

XYZ(47.8163, 51.0545, 79.4892)

Have a look what the booklet for
XYZ(47.8163, 51.0545, 79.4892)
contains.

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Color

**XYZ(47.6814, 50.9768,
79.2779)**

Conversions

Conversions Part 1

Format	Color
Hex	A3C0E2
RGB	163, 192, 226
RGB Percent	64%, 75%, 89%
CMY	0.3608, 0.2470, 0.1137
CMYK	0.28, 0.15, 0.00, 0.11
HSL	212°, 52%, 76%
HSV	212°, 28%, 89%
XYZ	47.6814, 50.9768, 79.2779
YIQ	187.2050, -28.1980, 4.4260

Conversions

Conversions Part 2

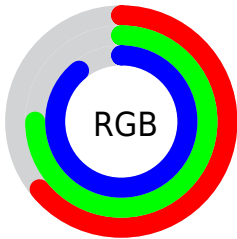
Format	Color
R _{YB}	163, 183, 226
Decimal	10731746
CIE Lab	76.66, -2.13, -20.16
CIE LCh	77, 20.271, 263.972
Yxy	50.9768, 0.2680, 0.2865
Android (android.graphics.Color)	4288921826 (0xFFA3C0E2)
YUV	187.2050, 19.1259, -21.2278
Hunter-Lab	71.3980, -5.7398, -15.8549

Details

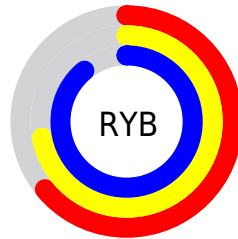
The XYZ color **47.6814, 50.9768, 79.2779** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **57.9419, 58.7462, 42.9371**, and the grayscale version is **47.2579, 49.7190, 54.1440**.

A 20% lighter version of the original color is **80.8308, 89.4149, 107.6063**, and **23.0137, 24.7205, 42.0867** is the 20% darker color. If you saturate the color by 10%, you get **40.8933, 43.6664, 78.2255**, and if you desaturate by 10%, it is **55.5215, 59.1614, 80.4453**.

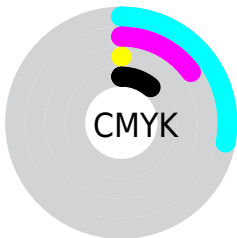
Distribution



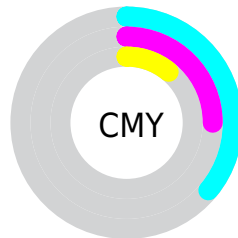
- Red (64%)
- Green (75%)
- Blue (89%)



- Red (64%)
- Yellow (72%)
- Blue (89%)



- Cyan (28%)
- Magenta (15%)
- Yellow (0%)
- Black (11%)



- Cyan (36%)
- Magenta (25%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 47.6814, 50.9768, 79.2779 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 47.6814, 50.9768, 79.2779 by changing the saturation by 10% instead.

■ 47.6814, 50.9768,
79.2779

■ 47.6814, 50.9768,
79.2779

368.1315,
390.4736, 512.1384

■ 33.7849, 36.1901,
58.6017

■ 85.9424, 91.6205,
134.1522

■ 22.8905, 24.5811,
41.8746

■ 111.0376,
118.2463, 169.1874

■ 14.6329, 15.7652,
28.6783

140.5964,
149.5873, 209.8459

■ 8.6468, 9.3582,
18.5941

174.9841,
186.0278, 256.5464

■ 4.5668, 4.9755,
11.2035

214.5661,
227.9524, 309.7074

■ 2.0275, 2.2329,
6.0880

259.7078,

■ 0.6493, 0.7379,

275.7452, 369.7473

2.8290

310.7745,
329.7909, 437.0848

■ 0.0000, 0.0000,
1.0080

■ 0.0000, 0.0000,
0.0000

■ 47.6814, 50.9768,
79.2779

■ 47.6814, 50.9768,
79.2779

■ 40.8933, 43.6664,
78.2255

■ 55.5215, 59.1614,
80.4453

■ 35.1030, 37.1907,
77.2807

■ 64.4548, 68.2456,
81.7279

■ 30.2585, 31.5158,
76.4407

■ 74.5260, 78.2608,
83.1302

■ 26.3005, 26.6026,
75.7010

■ 85.7757, 89.2354,
84.6556

■ 23.1624, 22.4077,
75.0567

■ 90.0883, 96.9925,
85.9256

■ 20.7664, 18.8818,
74.5024

■ 90.7276, 98.2711,
86.1387

■ 19.0069, 15.9603,
74.0312

■ 18.6817, 15.3992,
73.9401

Harmonies

Analogous

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



44.2412, 50.9768, 74.4045



47.6814, 50.9768, 79.2779



51.5114, 50.9768, 77.1344

Triad

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



47.6814, 50.9768, 79.2779



55.5100, 50.9768, 47.3561



42.7274, 50.9768, 43.9829

Complementary

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



47.6814, 50.9768, 79.2779



57.9419, 58.7462, 42.9371

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.



45.5161, 50.9768, 38.3519



47.6814, 50.9768, 79.2779



52.9217, 50.9768, 40.1121

Square

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



47.6814, 50.9768, 79.2779



56.1646, 50.9768, 57.7533



49.2307, 50.9768, 37.0343



41.4798, 50.9768, 53.3160

Rectangle

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



47.6814, 50.9768, 79.2779



53.7564, 50.9768, 72.1403



49.2307, 50.9768, 37.0343



43.5084, 50.9768, 41.6465

Sweetspot

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



47.6830, 50.9788, 79.2791



84.5270, 89.5101, 107.4299



52.3341, 66.1932, 62.6029



17.6920, 18.7557, 22.9377



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.



47.6830, 50.9788, 79.2791



57.7569, 61.7509, 103.4828



42.3639, 39.6970, 77.3818



13.4694, 14.2778, 17.4337



10.7737, 9.0170, 42.2210



0.8356, 0.8026, 2.9561

Inverse Universe

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



53.9770, 46.1704, 55.9382



67.3561, 54.9618, 67.7624



64.5177, 72.8693, 45.3166



13.9684, 13.8050, 15.6037



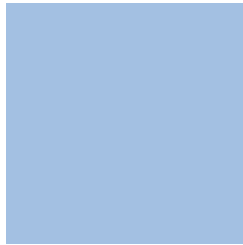
19.3783, 9.8183, 8.6578



1.3880, 0.6985, 0.8362

Previews

White Background



This preview shows how the XYZ color 47.6814, 50.9768, 79.2779 looks on a white background.

Color Contrast Check

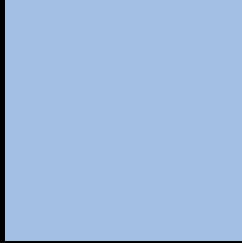
Large Text (above 18pt) WCAG AA × Fail

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 47.6814, 50.9768, 79.2779 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

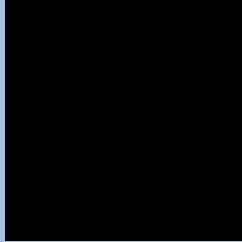
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

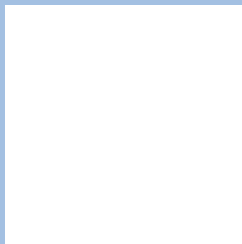
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 47.6814, 50.9768, 79.2779

Background



This preview shows how black text looks on a background with the XYZ color 47.6814, 50.9768, 79.2779.



This preview shows how white text looks on a background with the XYZ color 47.6814, 50.9768,

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

47.6814, 50.9768, 79.2779

Protanopia

50.3810, 50.8134, 76.9646

Deuteranopia

52.0916, 50.9907, 80.4955



Tritanopia

45.6452, 51.1569, 68.4413

Trichromacy



Original Color

47.6814, 50.9768, 79.2779

Protanomaly

49.3313, 50.8910, 77.7439

Deuteranomaly

50.4388, 51.0962, 79.8772

Tritanomaly

46.3844, 51.1185, 72.3879

Monochromacy



Original Color

47.6814, 50.9768, 79.2779

Achromatopsia

47.2335, 49.6933, 54.1160

Achromatomaly

47.1003, 50.0772, 62.4418

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.6814, 50.9768, 79.2779 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(163, 192, 226)` looks like.

```
.text, #text, p{  
    color:rgb(163, 192, 226)  
}
```

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(163, 192, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 192, 226) }
```

Border

The CSS property to change the border of an element to XYZ 47.6814, 50.9768, 79.2779 is called "border". The border property can be set on classes, ids or directly on the HTML element.

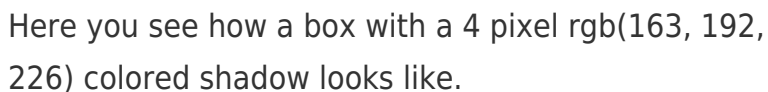
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(163, 192, 226) }
```


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

```
.border{ border-color:rgb(163, 192, 226) }
```

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



Here you see how a box with a 4 pixel `rgb(163, 192, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(163, 192, 226); -webkit-box-shadow:4px 4px 4px 4px rgb(163, 192, 226); box-shadow:4px 4px 4px 4px rgb(163, 192, 226) }
```

Background

The CSS property to change the background color of an element to XYZ 47.6814, 50.9768, 79.2779 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 192, 226) }
```

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

```
.background{ background-color: rgb(163,  
192, 226) }
```

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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