

Converting Colors

XYZ(45.9216, 50.1394, 79.4307)

Have a look what the booklet for
XYZ(45.9216, 50.1394, 79.4307)
contains.

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Color

**XYZ(45.9035, 50.0603,
79.1947)**

Conversions

Conversions Part 1

Format	Color
Hex	9AC0E2
RGB	154, 192, 226
RGB Percent	60%, 75%, 89%
CMY	0.3961, 0.2470, 0.1137
CMYK	0.32, 0.15, 0.00, 0.11
HSL	208°, 55%, 75%
HSV	208°, 32%, 89%
XYZ	45.9035, 50.0603, 79.1947
YIQ	184.5140, -33.5620, 2.5180

Conversions

Conversions Part 2

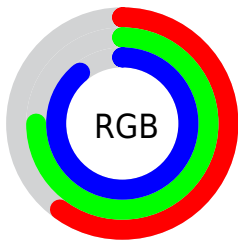
Format	Color
RYB	154, 179, 226
Decimal	10141922
CIELab	76.11, -4.72, -21.06
CIElCh	76, 21.582, 257.364
Yxy	50.0603, 0.2621, 0.2858
Android (android.graphics.Color)	4288332002 (0xFF9AC0E2)
YUV	184.5140, 20.4526, -26.7608
Hunter-Lab	70.7533, -8.0106, -16.8364

Details

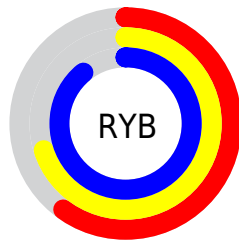
The XYZ color **45.9035, 50.0603, 79.1947** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **55.1807, 54.4688, 38.1784**, and the grayscale version is **45.7491, 48.1316, 52.4154**.

A 20% lighter version of the original color is **78.1957, 88.0564, 107.4830**, and **21.9501, 24.1722, 42.0369** is the 20% darker color. If you saturate the color by 10%, you get **39.7417, 43.5315, 78.2601**, and if you desaturate by 10%, it is **53.0482, 57.3504, 80.2261**.

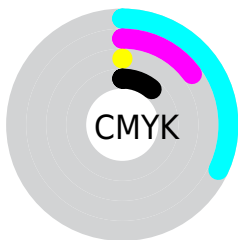
Distribution



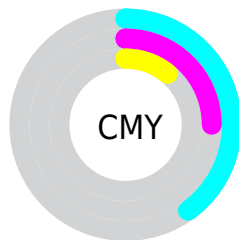
- Red (60%)
- Green (75%)
- Blue (89%)



- Red (60%)
- Yellow (70%)
- Blue (89%)



- Cyan (32%)
- Magenta (15%)
- Yellow (0%)
- Black (11%)



- Cyan (40%)
- Magenta (25%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 45.9035, 50.0603, 79.1947 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 45.9035, 50.0603, 79.1947 by changing the saturation by 10% instead.

■ 45.9035, 50.0603,
79.1947

■ 45.9035, 50.0603,
79.1947

361.1430,
386.9017, 511.8498

■ 32.3740, 35.4613,
58.5336

■ 83.3033, 90.2642,
134.0341

■ 21.8042, 24.0184,
41.8203

■ 107.9043,
116.6379, 169.0495

■ 13.8289, 15.3473,
28.6361

136.9265,
147.7053, 209.6867

■ 8.0827, 9.0635,
18.5625

170.7353,
183.8509, 256.3644

■ 4.2002, 4.7826,
11.1810

209.6959,
225.4588, 309.5010

■ 1.8160, 2.1203,
6.0730

254.1739,

■ 0.5273, 0.6760,

272.9137, 369.5150

2.8200

304.5344,
326.5999, 436.8251

■ 0.0000, 0.0000,
1.0035

■ 0.0000, 0.0000,
0.0000

■ 45.9035, 50.0603,
79.1947

■ 45.9035, 50.0603,
79.1947

■ 39.7417, 43.5315,
78.2601

■ 53.0482, 57.3504,
80.2261

■ 34.5089, 37.7274,
77.4156

■ 61.2165, 65.4243,
81.3540

■ 30.1529, 32.6167,
76.6588

■ 70.4524, 74.3111,
82.5826

■ 26.6138, 28.1630,
75.9856

■ 80.7959, 84.0361,
83.9145

■ 23.8235, 24.3251,
75.3919

■ 87.7298, 92.2754,
85.1394

■ 21.7003, 21.0549,
74.8726

■ 90.7276, 98.2710,
86.1387

■ 20.3583, 18.7523,
74.4989

Harmonies

Analogous

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



42.5161, 50.0603, 72.5451



45.9035, 50.0603, 79.1947



49.9344, 50.0603, 78.5875

Triad

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



45.9035, 50.0603, 79.1947



55.3777, 50.0603, 48.1401



42.0975, 50.0603, 40.7979

Complementary

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



45.9035, 50.0603, 79.1947



55.1807, 54.4688, 38.1784

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.



45.3023, 50.0603, 35.9292



45.9035, 50.0603, 79.1947



53.0326, 50.0603, 39.7383

Square

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



45.9035, 50.0603, 79.1947



55.5613, 50.0603, 59.5144



49.2985, 50.0603, 35.5709



40.4036, 50.0603, 49.7890

Rectangle

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



45.9035, 50.0603, 79.1947



52.4471, 50.0603, 74.1463



49.2985, 50.0603, 35.5709



43.0253, 50.0603, 38.6836

Sweetspot

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



45.9051, 50.0623, 79.1959



82.5612, 88.0370, 107.2491



49.5579, 64.8774, 57.2630



17.3206, 18.5025, 22.9084



0.0000, 0.0000, 0.0000



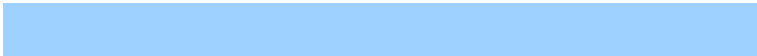
20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



45.9051, 50.0623, 79.1959



55.0306, 60.2200, 103.3309



39.0108, 36.2738, 76.8978



13.5478, 14.4348, 17.4598



11.7342, 10.9379, 42.5411



0.9028, 0.9371, 2.9785

Inverse Universe

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



52.4353, 43.0871, 55.4243



65.0228, 50.3634, 66.7741



63.7460, 71.5993, 41.0334



14.0080, 13.8208, 15.8123



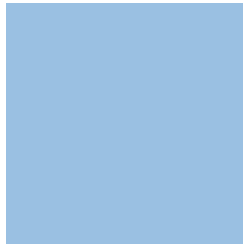
19.8631, 10.0122, 11.2106



1.4220, 0.7121, 1.0149

Previews

White Background



This preview shows how the XYZ color 45.9035, 50.0603, 79.1947 looks on a white background.

Color Contrast Check

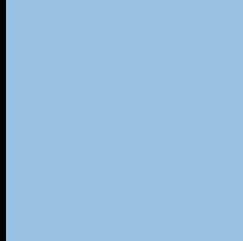
Large Text (above 18pt) WCAG AA × Fail

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 45.9035, 50.0603, 79.1947 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

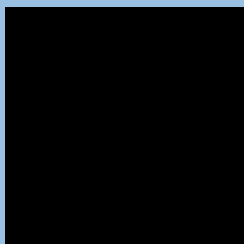
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

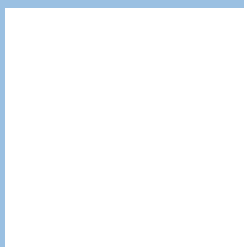
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 45.9035, 50.0603, 79.1947

Background



This preview shows how black text looks on a background with the XYZ color 45.9035, 50.0603, 79.1947.



This preview shows how white text looks on a background with the XYZ color 45.9035, 50.0603,

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

45.9035, 50.0603, 79.1947

Protanopia

49.5661, 50.0950, 76.1641

Deuteranopia

50.9447, 49.7827, 80.3227



Tritanopia

43.7256, 50.1674, 68.3515

Trichromacy



Original Color

45.9035, 50.0603, 79.1947

Protanomaly

48.0971, 49.9521, 76.9188

Deuteranomaly

48.8796, 49.6625, 79.6826

Tritanomaly

44.4490, 50.1208, 72.2973

Monochromacy



Original Color

45.9035, 50.0603, 79.1947

Achromatopsia

46.1135, 48.5150, 52.8328

Achromatomaly

45.8641, 49.1352, 61.7103

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.9035, 50.0603, 79.1947 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(154, 192, 226)` looks like.

```
.text, #text, p{  
    color:rgb(154, 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(154, 192, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(154, 192, 226) }
```

Border

The CSS property to change the border of an element to XYZ 45.9035, 50.0603, 79.1947 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(154, 192, 226) }
```


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

```
.border{ border-color:rgb(154, 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(154, 192, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(154, 192, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(154, 192, 226);  
box-shadow:4px 4px 4px 4px rgb(154, 192,  
226) }
```

Background

The CSS property to change the background color of an element to XYZ 45.9035, 50.0603, 79.1947 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(154, 192, 226) }
```

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

```
.background{ background-color: rgb(154,  
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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