

Converting Colors

XYZ(45.9119, 50.0840, 84.6191)

Have a look what the booklet for
XYZ(45.9119, 50.0840, 84.6191)
contains.

XYZ(45.7704, 49.8784, 84.3059)	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(45.7704, 49.8784,
84.3059)**

Conversions

Conversions Part 1

Format	Color
Hex	94C0E9
RGB	148, 192, 233
RGB Percent	58%, 75%, 91%
CMY	0.4196, 0.2470, 0.0863
CMYK	0.36, 0.18, 0.00, 0.09
HSL	209°, 66%, 75%
HSV	209°, 36%, 91%
XYZ	45.7704, 49.8784, 84.3059
YIQ	183.5180, -39.3850, 3.4230

Conversions

Conversions Part 2

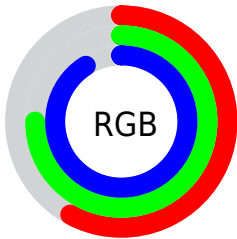
Format	Color
RYB	148, 177, 233
Decimal	9748713
CIELab	75.99, -4.62, -25.04
CIElCh	76, 25.463, 259.549
Yxy	49.8784, 0.2543, 0.2772
Android (android.graphics.Color)	4287938793 (0xFF94C0E9)
YUV	183.5180, 24.3946, -31.1493
Hunter-Lab	70.6246, -7.9109, -21.3383

Details

The XYZ color **45.7704, 49.8784, 84.3059** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **57.1482, 55.8579, 35.7882**, and the grayscale version is **45.1812, 47.5341, 51.7646**.

A 20% lighter version of the original color is **76.5192, 87.1922, 107.4045**, and **21.7845, 24.0192, 45.0830** is the 20% darker color. If you saturate the color by 10%, you get **39.5985, 43.1732, 83.3378**, and if you desaturate by 10%, it is **52.9822, 57.4017, 85.3788**.

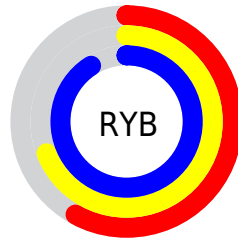
Distribution



Red (58%)

Green (75%)

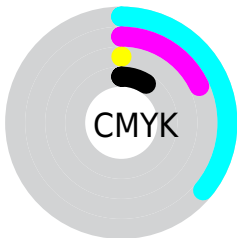
Blue (91%)



Red (58%)

Yellow (69%)

Blue (91%)

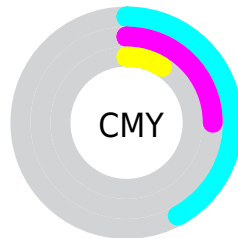


Cyan (36%)

Magenta (18%)

Yellow (0%)

Black (9%)



Cyan (42%)

Magenta (25%)

Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 45.7704, 49.8784, 84.3059 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 45.7704, 49.8784, 84.3059 by changing the saturation by 10% instead.

■ 45.7704, 49.8784,
84.3059

■ 45.7704, 49.8784,
84.3059

360.6162,
386.1902, 529.4131

■ 32.2685, 35.3168,
62.7212

■ 83.1052, 89.9947,
141.2685

■ 21.7232, 23.9070,
45.1761

■ 107.6689,
116.3181, 177.4835

■ 13.7691, 15.2646,
31.2522

136.6506,
147.3310, 219.4124

■ 8.0409, 9.0053,
20.5309

170.4156,
183.4177, 267.4736

■ 4.1732, 4.7447,
12.5937

209.3294,
224.9625, 322.0857

■ 1.8006, 2.0982,
7.0219

253.7571,

■ 0.5180, 0.6636,

272.3500, 383.6673

3.3972

304.0643,
325.9644, 452.6369

■ 0.0000, 0.0000,
1.3008

■ 0.0000, 0.0000,
0.0625

■ 45.7704, 49.8784,
84.3059

■ 45.7704, 49.8784,
84.3059

■ 39.5985, 43.1732,
83.3378

■ 52.9822, 57.4017,
85.3788

■ 34.4064, 37.2455,
82.4673

■ 61.2801, 65.7695,
86.5566

■ 30.1345, 32.0593,
81.6915

■ 70.7131, 75.0141,
87.8438

■ 26.7143, 27.5726,
81.0057

■ 81.3256, 85.1640,
89.2436

■ 24.0660, 23.7374,
80.4050

■ 89.5760, 94.3990,
90.5913

■ 22.0904, 20.4953,
79.8833

■ 91.7081, 98.6633,
91.3020

■ 21.4988, 19.4646,
79.7156

Harmonies

Analogous

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



41.7259, 49.8784, 76.7433



45.7704, 49.8784, 84.3059



50.5300, 49.8784, 82.8746

Triad

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



45.7704, 49.8784, 84.3059



56.5458, 49.8784, 46.0188



40.7922, 49.8784, 39.0451

Complementary

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



45.7704, 49.8784, 84.3059



57.1482, 55.8579, 35.7882

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.



44.4172, 49.8784, 33.2015



45.7704, 49.8784, 84.3059



53.5837, 49.8784, 36.7379

Square

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



45.7704, 49.8784, 84.3059



56.9685, 49.8784, 59.1934



49.0840, 49.8784, 32.4341



38.9817, 49.8784, 49.7011

Rectangle

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



45.7704, 49.8784, 84.3059



53.4642, 49.8784, 77.0774



49.0840, 49.8784, 32.4341



41.8272, 49.8784, 36.5341

Sweetspot

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



45.7720, 49.8803, 84.3071



81.3075, 86.7322, 107.0634



50.3942, 68.1913, 57.8964



17.0667, 18.2342, 22.8700



0.0000, 0.0000, 0.0000



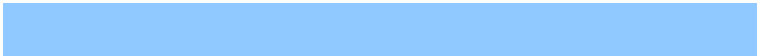
20.3446, 21.4041, 23.3091

Same Dimension

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



45.7720, 49.8803, 84.3071



50.2021, 54.7598, 102.5315



37.9620, 34.2604, 81.7037



14.8762, 15.8388, 19.1954



12.3237, 11.2943, 45.2735



1.0640, 1.0795, 3.5872

Inverse Universe

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



53.7100, 42.3108, 55.2072



61.5611, 45.0564, 60.6373



67.2938, 76.1492, 39.1701



15.3911, 15.1843, 17.3446



21.0757, 10.6330, 11.4660



1.7036, 0.8544, 1.1563

Previews

White Background



This preview shows how the XYZ color 45.7704, 49.8784, 84.3059 looks on a white background.

Color Contrast Check

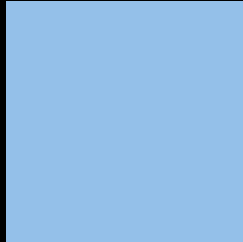
Large Text (above 18pt) WCAG AA × Fail

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 45.7704, 49.8784, 84.3059 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

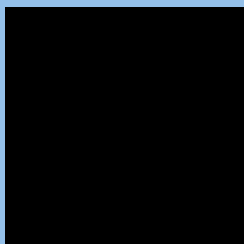
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

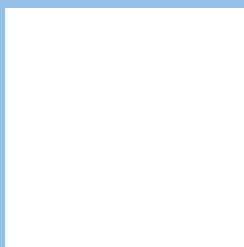
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 45.7704, 49.8784, 84.3059

Background



This preview shows how black text looks on a background with the XYZ color 45.7704, 49.8784, 84.3059.



This preview shows how white text looks on a background with the XYZ color 45.7704, 49.8784,

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

45.7704, 49.8784, 84.3059

Protanopia

49.4840, 49.6465, 80.3734

Deuteranopia

50.7513, 49.5684, 85.4900



Tritanopia

42.8255, 50.0226, 69.0262

Trichromacy



Original Color

45.7704, 49.8784, 84.3059

Protanomaly

47.9920, 49.7866, 81.9432

Deuteranomaly

48.5586, 49.3832, 84.8145

Tritanomaly

43.9783, 50.1644, 74.3826

Monochromacy



Original Color

45.7704, 49.8784, 84.3059

Achromatopsia

45.5594, 47.9320, 52.1980

Achromatomaly

45.2256, 48.4628, 62.8477

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.7704, 49.8784, 84.3059 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(148, 192, 233)` looks like.

```
.text, #text, p{  
    color:rgb(148, 192, 233)  
}
```

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(148, 192, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(148, 192, 233) }
```

Border

The CSS property to change the border of an element to XYZ 45.7704, 49.8784, 84.3059 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(148, 192, 233) }
```


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

```
.border{ border-color:rgb(148, 192, 233) }
```

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

Here you see how a box with a 4 pixel rgb(148, 192, 233) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(148, 192, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(148, 192, 233);  
box-shadow:4px 4px 4px 4px rgb(148, 192,  
233) }
```

Background

The CSS property to change the background color of an element to XYZ 45.7704, 49.8784, 84.3059 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(148, 192, 233) }
```

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

```
.background{ background-color: rgb(148,  
192, 233) }
```

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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