

Converting Colors

XYZ(45.8071, 48.2405, 84.5520)

Have a look what the booklet for
XYZ(45.8071, 48.2405, 84.5520)
contains.

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Color

**XYZ(45.9480, 48.3512,
84.7529)**

Conversions

Conversions Part 1

Format	Color
Hex	9ABBEA
RGB	154, 187, 234
RGB Percent	60%, 73%, 92%
CMY	0.3961, 0.2667, 0.0823
CMYK	0.34, 0.20, 0.00, 0.08
HSL	215°, 66%, 76%
HSV	215°, 34%, 92%
XYZ	45.9480, 48.3512, 84.7529
YIQ	182.4910, -34.7550, 7.6210

Conversions

Conversions Part 2

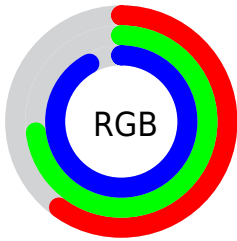
Format	Color
RYB	154, 177, 234
Decimal	10140650
CIELab	75.05, -0.02, -27.00
CIELCh	75, 27.000, 269.949
Yxy	48.3512, 0.2566, 0.2700
Android (android.graphics.Color)	4288330730 (0xFF9ABBEA)
YUV	182.4910, 25.3939, -24.9866
Hunter-Lab	69.5350, -3.7354, -23.5912

Details

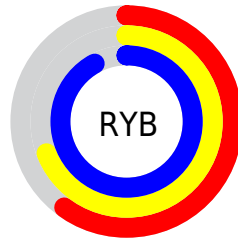
The XYZ color **45.9480, 48.3512, 84.7529** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **60.6519, 61.5995, 39.2665**, and the grayscale version is **44.6117, 46.9350, 51.1122**.

A 20% lighter version of the original color is **76.6789, 85.0228, 106.9774**, and **21.8165, 22.9739, 45.4040** is the 20% darker color. If you saturate the color by 10%, you get **39.1429, 40.7198, 83.6394**, and if you desaturate by 10%, it is **53.9035, 56.9923, 86.0023**.

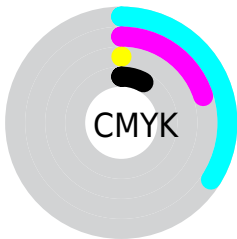
Distribution



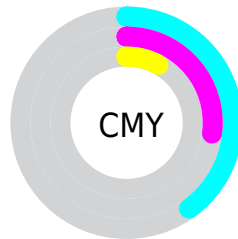
- Red (60%)
- Green (73%)
- Blue (92%)



- Red (60%)
- Yellow (69%)
- Blue (92%)



- Cyan (34%)
- Magenta (20%)
- Yellow (0%)
- Black (8%)



- Cyan (40%)
- Magenta (27%)
- Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 45.9480, 48.3512, 84.7529 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 45.9480, 48.3512, 84.7529 by changing the saturation by 10% instead.

■ 45.9480, 48.3512,
84.7529

■ 45.9480, 48.3512,
84.7529

361.3190,
380.1825, 530.9333

■ 32.4092, 34.1051,
63.0883

■ 83.3695, 87.7271,
141.8990

■ 21.8313, 22.9743,
45.4712

■ 107.9830,
113.6256, 178.2175

■ 13.8489, 14.5746,
31.4831

137.0187,
144.1771, 220.2577

■ 8.0967, 8.5214,
20.7054

170.8421,
179.7660, 268.4382

■ 4.2092, 4.4303,
12.7197

209.8184,
220.7765, 323.1774

■ 1.8211, 1.9171,
7.1074

254.3131,

■ 0.5304, 0.5586,

267.5932, 384.8940

3.4499

304.6915,
320.6004, 454.0065

■ 0.0000, 0.0000,
1.3287

■ 0.0000, 0.0000,
0.0851

■ 45.9480, 48.3512,
84.7529

■ 45.9480, 48.3512,
84.7529

■ 39.1429, 40.7198,
83.6394

■ 53.9035, 56.9923,
86.0023

■ 33.4252, 34.0507,
82.6535

■ 63.0588, 66.6765,
87.3890

■ 28.7322, 28.3007,
81.7910

■ 73.4660, 77.4423,
88.9185

■ 24.9926, 23.4203,
81.0461

■ 85.1724, 89.3244,
90.5950

■ 22.1245, 19.3539,
80.4123

■ 91.8514, 98.7206,
92.0566

■ 20.0293, 16.0365,
79.8824

■ 19.0827, 14.4032,
79.6171

Harmonies

Analogous

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



41.3681, 48.3512, 79.8355



45.9480, 48.3512, 84.7529



50.8564, 48.3512, 79.8671

Triad

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



45.9480, 48.3512, 84.7529



54.6750, 48.3512, 40.2152



38.2250, 48.3512, 40.1805

Complementary

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



45.9480, 48.3512, 84.7529



60.6519, 61.5995, 39.2665

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.



41.3816, 48.3512, 32.4415



45.9480, 48.3512, 84.7529



50.8720, 48.3512, 32.4589

Square

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



45.9480, 48.3512, 84.7529



56.1096, 48.3512, 52.6702



45.9647, 48.3512, 29.8849



37.1084, 48.3512, 52.6223

Rectangle

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



45.9480, 48.3512, 84.7529



53.6065, 48.3512, 72.1327



45.9647, 48.3512, 29.8849



39.0710, 48.3512, 37.0292

Sweetspot

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



45.9496, 48.3531, 84.7540



81.6886, 86.2918, 106.9583



53.2539, 69.9181, 65.7430



17.1098, 18.0809, 22.8381



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.



45.9496, 48.3531, 84.7540



49.9087, 52.1430, 102.0419



41.0391, 36.5957, 82.7434



14.7416, 15.5696, 19.1505



10.8404, 8.3279, 44.7791



0.9440, 0.8394, 3.5471

Inverse Universe

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



54.4582, 44.1929, 52.6755



61.9086, 47.0927, 56.6179



67.0404, 77.5648, 42.0114



15.3231, 15.1571, 16.9868



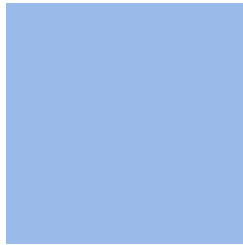
20.3271, 10.3335, 7.5236



1.6430, 0.8302, 0.8373

Previews

White Background



This preview shows how the XYZ color 45.9480, 48.3512, 84.7529 looks on a white background.

Color Contrast Check

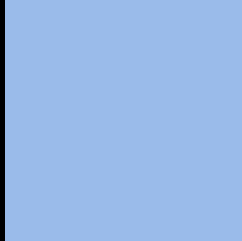
Large Text (above 18pt) WCAG AA × Fail

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 45.9480, 48.3512, 84.7529 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

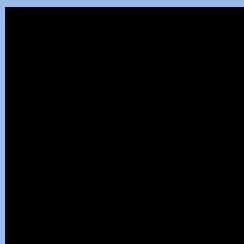
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

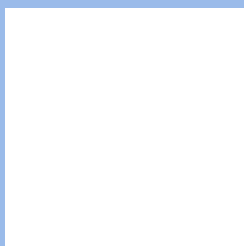
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 45.9480, 48.3512, 84.7529

Background



This preview shows how black text looks on a background with the XYZ color 45.9480, 48.3512, 84.7529.



This preview shows how white text looks on a background with the XYZ color 45.9480, 48.3512,

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

45.9480, 48.3512, 84.7529

Protanopia

48.3853, 48.1097, 82.3372

Deuteranopia

49.1985, 48.1599, 85.3000



Tritanopia

42.3249, 48.5002, 66.1622

Trichromacy



Original Color

45.9480, 48.3512, 84.7529

Protanomaly

47.4319, 48.2142, 83.1503

Deuteranomaly

47.8652, 48.0806, 85.3550

Tritanomaly

43.5155, 48.3207, 72.6790

Monochromacy



Original Color

45.9480, 48.3512, 84.7529

Achromatopsia

44.4628, 46.7784, 50.9417

Achromatomaly

44.6964, 47.2687, 62.0264

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.9480, 48.3512, 84.7529 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, 187, 234)` looks like.

```
.text, #text, p{  
    color:rgb(154, 187, 234)  
}
```

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, 187, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(154, 187, 234) }
```

Border

The CSS property to change the border of an element to XYZ 45.9480, 48.3512, 84.7529 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, 187, 234) }
```


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

```
.border{ border-color:rgb(154, 187, 234) }
```

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

Here you see how a box with a 4 pixel `rgb(154, 187, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(154, 187, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(154, 187, 234);  
box-shadow:4px 4px 4px 4px rgb(154, 187,  
234) }
```

Background

The CSS property to change the background color of an element to XYZ 45.9480, 48.3512, 84.7529 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(154, 187, 234) }
```

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

```
.background{ background-color: rgb(154,  
187, 234) }
```

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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