

Converting Colors

XYZ(45.3194, 44.5838, 88.4215)

Have a look what the booklet for
XYZ(45.3194, 44.5838, 88.4215)
contains.

XYZ(45.3541, 44.6110, 88.6585)	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(45.3541, 44.6110,
88.6585)**

Conversions

Conversions Part 1

Format	Color
Hex	9EB0F0
RGB	158, 176, 240
RGB Percent	62%, 69%, 94%
CMY	0.3804, 0.3098, 0.0588
CMYK	0.34, 0.27, 0.00, 0.06
HSL	227°, 73%, 78%
HSV	227°, 34%, 94%
XYZ	45.3541, 44.6110, 88.6585
YIQ	177.9140, -31.2720, 16.0880

Conversions

Conversions Part 2

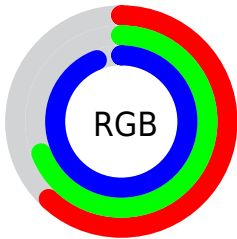
Format	Color
R _Y B	158, 173, 240
Decimal	10399984
CIE Lab	72.64, 8.67, -33.94
CIE LCh	73, 35.031, 284.329
Yxy	44.6110, 0.2539, 0.2497
Android (android.graphics.Color)	4288590064 (0xFF9EB0F0)
YUV	177.9140, 30.6084, -17.4646
Hunter-Lab	66.7915, 4.3236, -31.9471

Details

The XYZ color **45.3541, 44.6110, 88.6585** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **68.2293, 73.2378, 42.8898**, and the grayscale version is **42.1279, 44.3218, 48.2664**.

A 20% lighter version of the original color is **74.3575, 78.6680, 105.8731**, and **21.5683, 20.8191, 48.2291** is the 20% darker color. If you saturate the color by 10%, you get **37.6634, 35.5658, 87.3187**, and if you desaturate by 10%, it is **54.4765, 55.1485, 90.2124**.

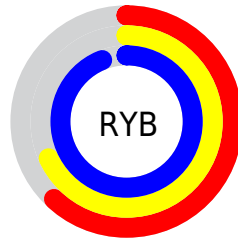
Distribution



Red (62%)

Green (69%)

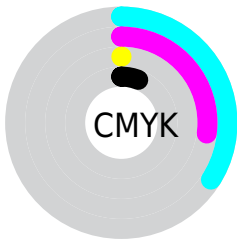
Blue (94%)



Red (62%)

Yellow (68%)

Blue (94%)

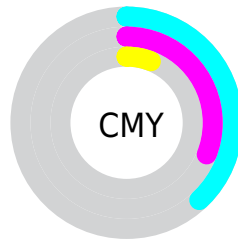


Cyan (34%)

Magenta (27%)

Yellow (0%)

Black (6%)



Cyan (38%)

Magenta (31%)

Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 45.3541, 44.6110, 88.6585 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 45.3541, 44.6110, 88.6585 by changing the saturation by 10% instead.

■ 45.3541, 44.6110,
88.6585

■ 45.3541, 44.6110,
88.6585

358.9654,
365.1958, 544.1144

■ 31.9389, 31.1511,
66.3011

■ 82.4853, 82.1364,
147.3928

■ 21.4702, 20.7140,
48.0589

■ 106.9320,
106.9707, 184.6067

■ 13.5825, 12.9151,
33.5132

135.7867,
136.3652, 227.6100

■ 7.9106, 7.3701,
22.2455

169.4145,
170.7044, 276.8211

■ 4.0891, 3.6946,
13.8374

208.1809,
210.3727, 332.6585

■ 1.7527, 1.5042,
7.8702

252.4513,

■ 0.4889, 0.2917,

255.7544, 395.5408

3.9254

302.5910,
307.2340, 465.8866

■ 0.0000, 0.0000,
1.5845

■ 0.0000, 0.0000,
0.2797

■ 45.3541, 44.6110,
88.6585

■ 45.3541, 44.6110,
88.6585

■ 37.6634, 35.5658,
87.3187

■ 54.4765, 55.1485,
90.2124

■ 31.3253, 27.9387,
86.1806

■ 65.0949, 67.2374,
91.9862

■ 26.2598, 21.6566,
85.2350

■ 77.2754, 80.9402,
93.9891

■ 22.3762, 16.6376,
84.4710

■ 91.0785, 96.3140,
96.2290

■ 19.5711, 12.7900,
83.8761

■ 92.7283, 99.0713,
96.6743

■ 17.7211, 10.0079,
83.4366

■ 16.9870, 8.8087,
83.2439

Harmonies

Analogous

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



39.3284, 44.6110, 88.3566



45.3541, 44.6110, 88.6585



51.0851, 44.6110, 76.6010

Triad

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



45.3541, 44.6110, 88.6585



51.3040, 44.6110, 28.7712



32.1336, 44.6110, 40.0983

Complementary

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



45.3541, 44.6110, 88.6585



68.2293, 73.2378, 42.8898

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.



34.7622, 44.6110, 28.3830



45.3541, 44.6110, 88.6585



45.6305, 44.6110, 22.9880

Square

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



45.3541, 44.6110, 88.6585



54.7358, 44.6110, 40.7667



39.5798, 44.6110, 22.8653



32.0749, 44.6110, 57.3189

Rectangle

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



45.3541, 44.6110, 88.6585



53.8065, 44.6110, 64.5287



39.5798, 44.6110, 22.8653



32.7339, 44.6110, 35.4928

Sweetspot

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



45.3556, 44.6127, 88.6595



80.2591, 83.4329, 106.4818



58.2954, 74.8038, 79.6808



16.7656, 17.3925, 22.7234



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.



45.3556, 44.6127, 88.6595



45.7310, 43.7875, 100.6493



46.7480, 40.4341, 87.7796



15.1786, 15.7913, 19.9696



9.3789, 4.9820, 45.5952



0.8516, 0.5571, 3.8169

Inverse Universe

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



55.9999, 46.1152, 47.0255



59.7999, 46.2492, 45.5134



66.2862, 79.7159, 44.2426



15.9148, 15.8156, 17.1077



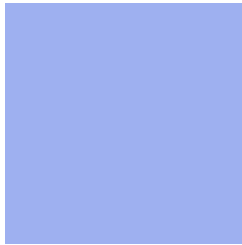
20.0596, 10.2963, 2.9646



1.7048, 0.8710, 0.4363

Previews

White Background



This preview shows how the XYZ color 45.3541, 44.6110, 88.6585 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 45.3541, 44.6110, 88.6585 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 45.3541, 44.6110, 88.6585

Background



This preview shows how black text looks on a background with the XYZ color 45.3541, 44.6110, 88.6585.



This preview shows how white text looks on a background with the XYZ color 45.3541, 44.6110,

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

45.3541, 44.6110, 88.6585

Protanopia

45.7507, 44.8155, 88.6770

Deuteranopia

45.5554, 44.4248, 88.6119



Tritanopia

39.7280, 44.7478, 59.9694

Trichromacy



Original Color

45.3541, 44.6110, 88.6585

Protanomaly

45.5516, 44.7129, 88.6677

Deuteranomaly

45.3562, 44.3221, 88.6026

Tritanomaly

41.4830, 44.5272, 69.3590

Monochromacy



Original Color

45.3541, 44.6110, 88.6585

Achromatopsia

42.3164, 44.5201, 48.4824

Achromatomaly

43.0593, 44.3193, 61.5433

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.3541, 44.6110, 88.6585 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(158, 176, 240)` looks like.

```
.text, #text, p{  
    color:rgb(158, 176, 240)  
}
```

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(158, 176, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 176, 240) }
```

Border

The CSS property to change the border of an element to XYZ 45.3541, 44.6110, 88.6585 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(158, 176, 240) }
```


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

```
.border{ border-color:rgb(158, 176, 240) }
```

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

Here you see how a box with a 4 pixel `rgb(158, 176, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 176, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 176, 240);  
box-shadow:4px 4px 4px 4px rgb(158, 176,  
240) }
```

Background

The CSS property to change the background color of an element to XYZ 45.3541, 44.6110, 88.6585 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 176, 240) }
```

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

```
.background{ background-color: rgb(158,  
176, 240) }
```

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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