

Converting Colors

XYZ(45.8696, 45.2913, 93.6757)

Have a look what the booklet for
XYZ(45.8696, 45.2913, 93.6757)
contains.

XYZ(45.8814, 45.3646, 93.5268)	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(45.8814, 45.3646,
93.5268)**

Conversions

Conversions Part 1

Format	Color
Hex	9AB2F6
RGB	154, 178, 246
RGB Percent	60%, 70%, 96%
CMY	0.3961, 0.3019, 0.0353
CMYK	0.37, 0.28, 0.00, 0.04
HSL	224°, 84%, 78%
HSV	224°, 37%, 96%
XYZ	45.8814, 45.3646, 93.5268
YIQ	178.5760, -36.1320, 16.0600

Conversions

Conversions Part 2

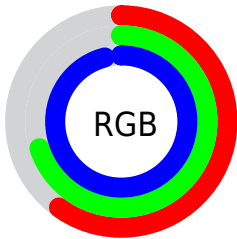
Format	Color
RYB	154, 173, 246
Decimal	10138358
CIELab	73.13, 8.04, -36.44
CIELCh	73, 37.319, 282.440
Yxy	45.3646, 0.2483, 0.2455
Android (android.graphics.Color)	4288328438 (0xFF9AB2F6)
YUV	178.5760, 33.2400, -21.5532
Hunter-Lab	67.3532, 3.7270, -35.1829

Details

The XYZ color **45.8814, 45.3646, 93.5268** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **69.9614, 74.1701, 41.2027**, and the grayscale version is **42.4663, 44.6779, 48.6542**.

A 20% lighter version of the original color is **74.3368, 79.9145, 106.1148**, and **21.7918, 21.2485, 51.0969** is the 20% darker color. If you saturate the color by 10%, you get **38.2892, 36.4320, 92.2036**, and if you desaturate by 10%, it is **54.9157, 55.7543, 95.0569**.

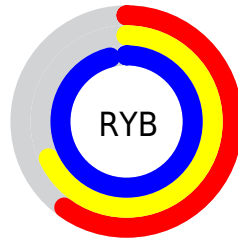
Distribution



Red (60%)

Green (70%)

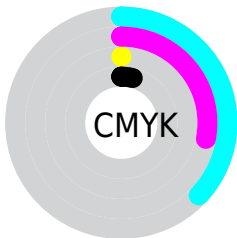
Blue (96%)



Red (60%)

Yellow (68%)

Blue (96%)

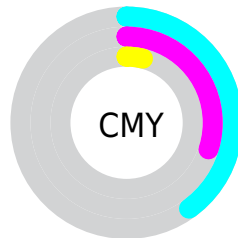


Cyan (37%)

Magenta (28%)

Yellow (0%)

Black (4%)



Cyan (40%)

Magenta (30%)

Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 45.8814, 45.3646, 93.5268 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 45.8814, 45.3646, 93.5268 by changing the saturation by 10% instead.

■ 45.8814, 45.3646,
93.5268

■ 45.8814, 45.3646,
93.5268

361.0556,
368.2482, 560.3013

■ 32.3565, 31.7447,
70.3193

■ 83.2704, 83.2673,
154.2058

■ 21.7908, 21.1666,
51.3085

■ 107.8652,
108.3188, 192.5143

■ 13.8190, 13.2458,
36.0758

136.8807,
137.9497, 236.6937

■ 8.0757, 7.5980,
24.2026

170.6822,
172.5444, 287.1624

■ 4.1957, 3.8388,
15.2704

209.6351,
212.4871, 344.3390

■ 1.8134, 1.5838,
8.8606

254.1047,

■ 0.5257, 0.3467,

258.1624, 408.6419

4.5548

304.4564,
309.9547, 480.4899

■ 0.0000, 0.0000,
1.9344

■ 0.0000, 0.0000,
0.5145

■ 45.8814, 45.3646,
93.5268

■ 45.8814, 45.3646,
93.5268

■ 38.2892, 36.4320,
92.2036

■ 54.9157, 55.7543,
95.0569

■ 32.0566, 28.8836,
91.0751

■ 65.4590, 67.6591,
96.7990

■ 27.0997, 22.6472,
90.1326

■ 77.5798, 81.1401,
98.7623

■ 23.3228, 17.6419,
89.3656

■ 91.3406, 96.2534,
100.9542

■ 20.6153, 13.7760,
88.7621

■ 93.6347, 99.4339,
101.4472

■ 18.8372, 10.9399,
88.3084

■ 18.4779, 10.3402,
88.2116

Harmonies

Analogous

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



39.4367, 45.3646, 92.2591



45.8814, 45.3646, 93.5268



52.1647, 45.3646, 80.9947

Triad

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



45.8814, 45.3646, 93.5268



53.0711, 45.3646, 28.8730



32.2134, 45.3646, 39.3133

Complementary

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



45.8814, 45.3646, 93.5268



69.9614, 74.1701, 41.2027

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.



35.1823, 45.3646, 27.3127



45.8814, 45.3646, 93.5268



47.0208, 45.3646, 22.4162

Square

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



45.8814, 45.3646, 93.5268



56.5884, 45.3646, 42.0411



40.4673, 45.3646, 21.9284



31.9748, 45.3646, 57.5586

Rectangle

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



45.8814, 45.3646, 93.5268



55.2437, 45.3646, 67.9848



40.4673, 45.3646, 21.9284



32.9102, 45.3646, 34.5453

Sweetspot

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



45.8830, 45.3663, 93.5279



79.2117, 82.5407, 106.3648



59.3970, 78.0281, 80.6648



16.5687, 17.2383, 22.7040



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.



45.8830, 45.3663, 93.5279



43.3167, 41.6357, 100.3612



45.9760, 38.9350, 92.2816



15.9326, 16.6295, 20.9126



9.9589, 5.7115, 47.1156



0.9555, 0.6623, 4.1677

Inverse Universe

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



57.5989, 45.9201, 47.9487



57.9278, 42.9986, 43.3680



69.6958, 84.1783, 43.1484



16.6766, 16.5535, 18.0434



20.8313, 10.6760, 3.8200



1.8713, 0.9545, 0.5488

Previews

White Background



This preview shows how the XYZ color 45.8814, 45.3646, 93.5268 looks on a white background.

Color Contrast Check

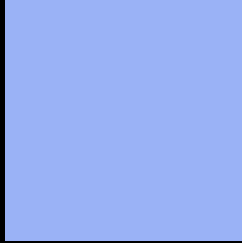
Large Text (above 18pt) WCAG AA × Fail

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 45.8814, 45.3646, 93.5268 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 45.8814, 45.3646, 93.5268

Background



This preview shows how black text looks on a background with the XYZ color 45.8814, 45.3646, 93.5268.



This preview shows how white text looks on a background with the XYZ color 45.8814, 45.3646,

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

45.8814, 45.3646, 93.5268

Protanopia

46.5016, 45.4078, 92.6999

Deuteranopia

46.4572, 45.3672, 93.4970



Tritanopia

39.4292, 45.1745, 61.8997

Trichromacy



Original Color

45.8814, 45.3646, 93.5268

Protanomaly

46.1082, 45.2050, 92.6815

Deuteranomaly

46.2613, 45.2662, 93.4878

Tritanomaly

41.4905, 45.0798, 72.1601

Monochromacy



Original Color

45.8814, 45.3646, 93.5268

Achromatopsia

42.8472, 45.0786, 49.0906

Achromatomaly

43.4772, 45.0980, 62.9132

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.8814, 45.3646, 93.5268 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, 178, 246)` looks like.

```
.text, #text, p{  
    color:rgb(154, 178, 246)  
}
```

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, 178, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(154, 178, 246) }
```

Border

The CSS property to change the border of an element to XYZ 45.8814, 45.3646, 93.5268 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, 178, 246) }
```


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

```
.border{ border-color:rgb(154, 178, 246) }
```

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

Here you see how a box with a 4 pixel `rgb(154, 178, 246)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(154, 178, 246); -webkit-box-  
shadow:4px 4px 4px 4px rgb(154, 178, 246);  
box-shadow:4px 4px 4px 4px rgb(154, 178,  
246) }
```

Background

The CSS property to change the background color of an element to XYZ 45.8814, 45.3646, 93.5268 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(154, 178, 246) }
```

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

```
.background{ background-color: rgb(154,  
178, 246) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor