

Converting Colors

XYZ(45.3026, 51.3661, 59.7463)

Have a look what the booklet for
XYZ(45.3026, 51.3661, 59.7463)
contains.

XYZ(45.4296, 51.5724, 59.7846)	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(45.4296, 51.5724,
59.7846)**

Conversions

Conversions Part 1

Format	Color
Hex	A6C4C4
RGB	166, 196, 196
RGB Percent	65%, 77%, 77%
CMY	0.3490, 0.2314, 0.2314
CMYK	0.15, 0.00, 0.00, 0.23
HSL	180°, 20%, 71%
HSV	180°, 15%, 77%
XYZ	45.4296, 51.5724, 59.7846
YIQ	187.0300, -17.8800, -6.3600

Conversions

Conversions Part 2

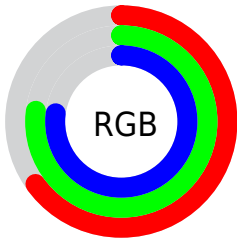
Format	Color
RYB	166, 181, 196
Decimal	10929348
CIELab	77.02, -10.03, -3.39
CIElCh	77, 10.589, 198.643
Yxy	51.5724, 0.2898, 0.3289
Android (android.graphics.Color)	4289119428 (0xFFA6C4C4)
YUV	187.0300, 4.4222, -18.4433
Hunter-Lab	71.8139, -12.7550, 0.9112

Details

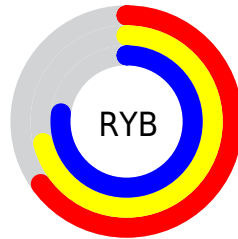
The XYZ color **45.4296, 51.5724, 59.7846** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **43.2859, 41.7627, 41.8582**, and the grayscale version is **47.2353, 49.6952, 54.1181**.

A 20% lighter version of the original color is **82.6737, 92.7146, 106.4668**, and **21.4949, 24.8764, 29.2599** is the 20% darker color. If you saturate the color by 10%, you get **41.6302, 49.6151, 59.6067**, and if you desaturate by 10%, it is **49.8582, 53.8568, 59.9941**.

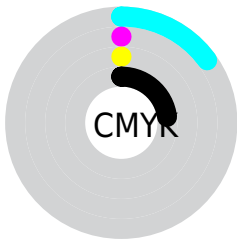
Distribution



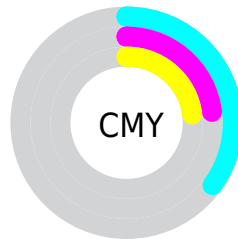
- Red (65%)
- Green (77%)
- Blue (77%)



- Red (65%)
- Yellow (71%)
- Blue (77%)



- Cyan (15%)
- Magenta (0%)
- Yellow (0%)
- Black (23%)



- Cyan (35%)
- Magenta (23%)
- Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 45.4296, 51.5724, 59.7846 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 45.4296, 51.5724, 59.7846 by changing the saturation by 10% instead.

■ 45.4296, 51.5724,
59.7846

■ 45.4296, 51.5724,
59.7846

359.2652,
392.7836, 441.5859

■ 31.9987, 36.6644,
42.8209

■ 82.5978, 92.5003,
106.0575

■ 21.5160, 24.9477,
29.4142

■ 107.0658,
119.2890, 136.2037

■ 13.6163, 16.0381,
19.1461

135.9435,
150.8066, 171.5811

■ 7.9342, 9.5511,
11.5980

169.5962,
187.4377, 212.6083

■ 4.1043, 5.1024,
6.3514

208.3894,
229.5665, 259.7039

■ 1.7613, 2.3075,
2.9877

252.6884,

■ 0.4942, 0.7776,

277.5775, 313.2863

1.0884

302.8585,
331.8551, 373.7742

■ 0.0000, 0.0000,
0.0000

■ 45.4296, 51.5724,
59.7846

■ 45.4296, 51.5724,
59.7846

■ 41.6302, 49.6151,
59.6067

■ 49.8582, 53.8568,
59.9941

■ 38.4272, 47.9639,
59.4557

■ 54.9380, 56.4755,
60.2329

■ 35.7917, 46.6053,
59.3312

■ 60.6954, 59.4435,
60.5035

■ 33.6907, 45.5223,
59.2318

■ 67.1541, 62.7731,
60.8069

■ 32.0876, 44.6959,
59.1556

■ 70.9459, 64.7278,
60.9855

■ 30.9414, 44.1050,
59.1008

■ 70.9462, 64.7279,
60.9867

■ 30.2043, 43.7250,
59.0652

■ 70.9464, 64.7280,
60.9878

■ 29.8182, 43.5260,
59.0460

■ 70.9466, 64.7281,
60.9890

■ 29.7030, 43.4666,
59.0401

■ 70.9468, 64.7281,
60.9901

Harmonies

Analogous

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



45.3083, 51.5724, 53.9918



45.4296, 51.5724, 59.7846



46.4965, 51.5724, 64.9225

Triad

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



45.4296, 51.5724, 59.7846



51.9912, 51.5724, 63.8277



49.7867, 51.5724, 45.9399

Complementary

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



45.4296, 51.5724, 59.7846



43.2859, 41.7627, 41.8582

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.



51.6291, 51.5724, 48.2121



45.4296, 51.5724, 59.7846



52.9249, 51.5724, 58.3723

Square

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



45.4296, 51.5724, 59.7846



50.2700, 51.5724, 67.3651



52.7906, 51.5724, 52.6726



47.7870, 51.5724, 46.2606

Rectangle

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



45.4296, 51.5724, 59.7846



47.6173, 51.5724, 67.1619



52.7906, 51.5724, 52.6726



50.4459, 51.5724, 46.4191

Sweetspot

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



45.4311, 51.5745, 59.7858



90.5136, 97.6614, 108.6867



42.4553, 50.3963, 43.5670



19.2424, 20.8359, 23.2572



0.0000, 0.0000, 0.0000



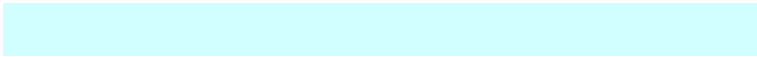
20.3446, 21.4041, 23.3091

Same Dimension

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



45.4311, 51.5745, 59.7858



80.1321, 92.3096, 108.1981



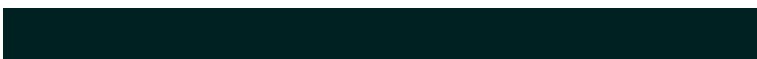
42.3169, 45.3456, 58.7493



10.3685, 11.4285, 12.9440



19.0846, 27.9279, 37.9341



0.8246, 1.2067, 1.6391

Inverse Universe

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



43.2859, 41.7627, 41.8582



75.5866, 71.5186, 70.2101



46.0721, 47.3355, 42.7856



10.0733, 10.0779, 10.4764



14.6276, 7.5408, 0.6850



0.6320, 0.3258, 0.0297

Previews

White Background



This preview shows how the XYZ color 45.4296, 51.5724, 59.7846 looks on a white background.

Color Contrast Check

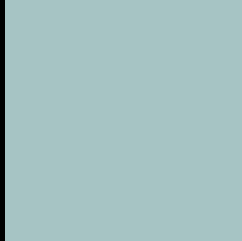
Large Text (above 18pt) WCAG AA × Fail

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 45.4296, 51.5724, 59.7846 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

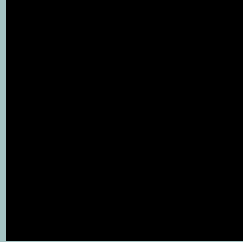
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

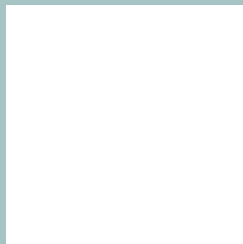
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 45.4296, 51.5724, 59.7846

Background



This preview shows how black text looks on a background with the XYZ color 45.4296, 51.5724, 59.7846.



This preview shows how white text looks on a background with the XYZ color 45.4296, 51.5724,

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

45.4296, 51.5724, 59.7846

Protanopia

49.4503, 51.4074, 57.1855

Deuteranopia

52.2354, 51.1956, 60.5547



Tritanopia

47.1626, 51.6220, 67.7999

Trichromacy



Original Color

45.4296, 51.5724, 59.7846

Protanomaly

48.0037, 51.6168, 57.8851

Deuteranomaly

49.2965, 50.9448, 60.0585

Tritanomaly

46.5626, 51.7147, 64.6546

Monochromacy



Original Color

45.4296, 51.5724, 59.7846

Achromatopsia

47.2335, 49.6933, 54.1160

Achromatomaly

46.2981, 50.1283, 55.9508

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.4296, 51.5724, 59.7846 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(166, 196, 196) looks like.

```
.text, #text, p{  
    color:rgb(166, 196, 196)  
}
```

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(166, 196, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 196, 196) }
```

Border

The CSS property to change the border of an element to XYZ 45.4296, 51.5724, 59.7846 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(166, 196, 196) }
```


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

```
.border{ border-color:rgb(166, 196, 196) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 196, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 196, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 196, 196);  
box-shadow:4px 4px 4px 4px rgb(166, 196,  
196) }
```

Background

The CSS property to change the background color of an element to XYZ 45.4296, 51.5724, 59.7846 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 196, 196) }
```

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

```
.background{ background-color: rgb(166,  
196, 196) }
```

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