

Converting Colors

XYZ(45.1813, 28.1866, 6.1912)

Have a look what the booklet for
XYZ(45.1813, 28.1866, 6.1912)
contains.

XYZ(45.1653, 28.1546, 6.1859)	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(45.1653, 28.1546,
6.1859)**

Conversions

Conversions Part 1

Format	Color
Hex	FF5633
RGB	255, 86, 51
RGB Percent	100%, 34%, 20%
CMY	0.0000, 0.6627, 0.8000
CMYK	0.00, 0.66, 0.80, 0.00
HSL	10°, 100%, 60%
HSV	10°, 80%, 100%
XYZ	45.1653, 28.1546, 6.1859
YIQ	132.5410, 111.9590, 24.9430

Conversions

Conversions Part 2

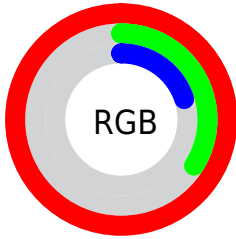
Format	Color
R_{YB}	255, 93, 51
Decimal	16733747
CIE Lab	60.03, 62.47, 54.20
CIE LCh	60, 82.701, 40.946
Yxy	28.1546, 0.5681, 0.3541
Android (android.graphics.Color)	4294923827 (0xFFFF5633)
YUV	132.5410, -40.1997, 107.3965
Hunter-Lab	53.0609, 59.0821, 30.2305

Details

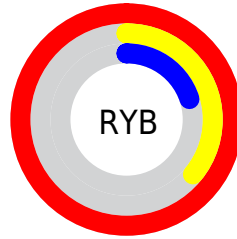
The XYZ color **45.1653, 28.1546, 6.1859** is a dark color, and the websafe version is hex **FF6633**. The color can be described as dark washed red. A complement of this color would be **45.0055, 59.1045, 103.6432**, and the grayscale version is **22.2419, 23.4002, 25.4828**.

A 20% lighter version of the original color is **53.3627, 41.8250, 17.3171**, and **21.4060, 11.2888, 1.0507** is the 20% darker color. If you saturate the color by 10%, you get **43.3044, 25.0999, 3.5107**, and if you desaturate by 10%, it is **47.8334, 32.3322, 10.6489**.

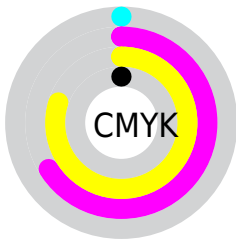
Distribution



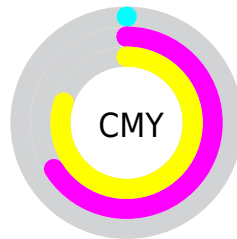
- Red (100%)
- Green (34%)
- Blue (20%)



- Red (100%)
- Yellow (36%)
- Blue (20%)



- Cyan (0%)
- Magenta (66%)
- Yellow (80%)
- Black (0%)





- Cyan (0%)
- Magenta (66%)
- Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 45.1653, 28.1546, 6.1859 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 45.1653, 28.1546, 6.1859 by changing the saturation by 10% instead.


 45.1653, 28.1546,
6.1859


 45.1653, 28.1546,
6.1859


358.2151,
293.2049, 170.0823

 31.7895, 18.4422,
2.8878


 82.2039, 56.7312,
18.7998


 21.3555, 11.2680,
1.0377


 106.5975, 76.3642,
28.9528

 13.4981, 6.2474,
0.0000


 135.3943,
100.0728, 42.2278

 7.8518, 2.9961,
0.0000

 168.9598,
128.2415, 59.0433

 4.0512, 1.1297,
0.0000

 207.6592,
161.2547, 79.8180

 1.7312, 0.0031,
0.0000

 251.8580,

 0.4757, 0.0000,

199.4967, 104.9704

0.0000

301.9215,
243.3520, 134.9190

■ 0.0000, 0.0000,
0.0000

■ 45.1653, 28.1546,
6.1859

■ 45.1653, 28.1546,
6.1859

■ 43.3044, 25.0999,
3.5107

■ 47.8334, 32.3322,
10.6489

■ 42.1316, 23.0437,
2.2273

■ 51.3909, 37.7251,
17.1438

■ 42.1315, 23.0436,
2.2273

■ 55.9112, 44.4213,
25.8777

■ 61.4593, 52.4993,
37.0316

■ 68.0943, 62.0311,
50.7680

75.8711, 73.0839,
67.2351

84.8403, 85.7205,
86.5701

95.0496, 99.9998,
108.9000

Harmonies

Analogous

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



51.9868, 28.1546, 20.9056



45.1653, 28.1546, 6.1859



33.9341, 28.1546, 2.0163

Triad

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



45.1653, 28.1546, 6.1859



11.8151, 28.1546, 15.3469



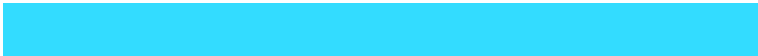
30.7942, 28.1546, 130.1954

Complementary

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



45.1653, 28.1546, 6.1859



45.0055, 59.1045, 103.6432

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.



20.6759, 28.1546, 124.7053



45.1653, 28.1546, 6.1859



11.3903, 28.1546, 43.0452

Square

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



45.1653, 28.1546, 6.1859



15.5578, 28.1546, 4.3969



14.1889, 28.1546, 86.5685



42.3540, 28.1546, 98.6845

Rectangle

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



45.1653, 28.1546, 6.1859



26.4272, 28.1546, 1.5425



14.1889, 28.1546, 86.5685



27.0958, 28.1546, 132.9623

Sweetspot

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



45.1659, 28.1563, 6.1863



72.6201, 68.4760, 60.3109



55.4746, 28.8480, 71.0506



14.9577, 13.8232, 11.6702



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.



45.1659, 28.1563, 6.1863



42.5334, 23.7573, 2.6368



59.6075, 57.0394, 11.0002



18.2613, 18.4907, 18.7509



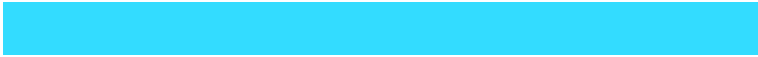
22.0877, 12.1867, 1.1881



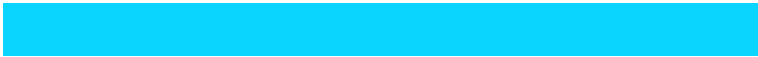
2.2171, 1.3196, 0.1379

Inverse Universe

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



45.0055, 59.1045, 103.6432



41.9688, 54.8681, 102.9864



26.0121, 21.1176, 97.3120



18.2740, 19.9196, 23.1317



21.7315, 28.3725, 53.7657



2.1827, 2.8962, 5.2572

Previews

White Background



This preview shows how the XYZ color 45.1653, 28.1546, 6.1859 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 45.1653, 28.1546, 6.1859 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 × Fail

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

XYZ 45.1653, 28.1546, 6.1859

Background



This preview shows how black text looks on a background with the XYZ color 45.1653, 28.1546, 6.1859.



This preview shows how white text looks on a background with the XYZ color 45.1653, 28.1546,

6.1859.

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

45.1653, 28.1546, 6.1859

Protanopia

25.8365, 28.2331, 9.3980

Deuteranopia

28.6983, 28.2494, 5.6092



Tritanopia

46.0536, 28.1346, 12.0201

Trichromacy



Original Color

45.1653, 28.1546, 6.1859

Protanomaly

30.5556, 26.3543, 7.8913

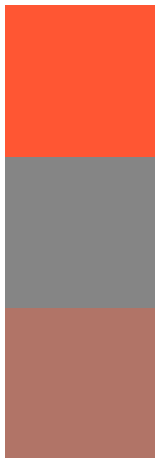
Deuteranomaly

33.2916, 26.9091, 5.5371

Tritanomaly

45.6464, 28.0951, 9.4956

Monochromacy



Original Color

45.1653, 28.1546, 6.1859

Achromatopsia

22.2940, 23.4551, 25.5426

Achromatomaly

26.8250, 22.8172, 15.8223

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.1653, 28.1546, 6.1859 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(255, 86, 51)` looks like.

```
.text, #text, p{  
    color:rgb(255, 86, 51)  
}
```

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(255, 86, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 86, 51) }
```

Border

The CSS property to change the border of an element to XYZ 45.1653, 28.1546, 6.1859 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(255, 86, 51) }
```


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

```
.border{ border-color:rgb(255, 86, 51) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 86, 51)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 86, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 86, 51);  
box-shadow:4px 4px 4px 4px rgb(255, 86,  
51) }
```

Background

The CSS property to change the background color of an element to XYZ 45.1653, 28.1546, 6.1859 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 86, 51) }
```

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

```
.background{ background-color: rgb(255, 86,  
51) }
```

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