

Converting Colors

XYZ(45.1062, 28.0255, 6.1996)

Have a look what the booklet for
XYZ(45.1062, 28.0255, 6.1996)
contains.

XYZ(45.0860, 27.9960, 6.1594)	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(45.0860, 27.9960,
6.1594)**

Conversions

Conversions Part 1

Format	Color
Hex	FF5533
RGB	255, 85, 51
RGB Percent	100%, 33%, 20%
CMY	0.0000, 0.6666, 0.8000
CMYK	0.00, 0.67, 0.80, 0.00
HSL	10°, 100%, 60%
HSV	10°, 80%, 100%
XYZ	45.0860, 27.9960, 6.1594
YIQ	131.9540, 112.2340, 25.4660

Conversions

Conversions Part 2

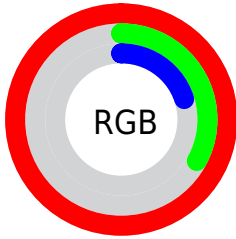
Format	Color
R_{YB}	255, 92, 51
Decimal	16733491
CIE Lab	59.89, 62.85, 54.06
CIE LCh	60, 82.905, 40.699
Yxy	27.9960, 0.5690, 0.3533
Android (android.graphics.Color)	4294923571 (0xFFFF5533)
YUV	131.9540, -39.9103, 107.9113
Hunter-Lab	52.9112, 59.5063, 30.1359

Details

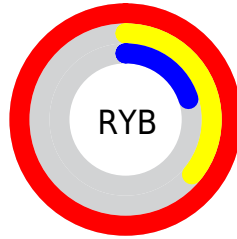
The XYZ color **45.0860, 27.9960, 6.1594** is a dark color, and the websafe version is hex **FF6633**. The color can be described as dark washed red. A complement of this color would be **45.2686, 59.6306, 103.7309**, and the grayscale version is **22.0281, 23.1752, 25.2378**.

A 20% lighter version of the original color is **53.2133, 41.5261, 17.2673**, and **21.3667, 11.2101, 1.0376** is the 20% darker color. If you saturate the color by 10%, you get **43.2406, 24.9723, 3.4894**, and if you desaturate by 10%, it is **47.7425, 32.1504, 10.6185**.

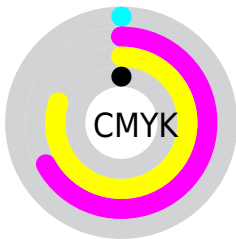
Distribution



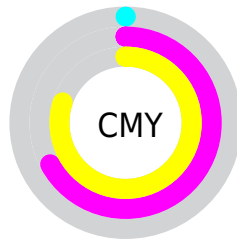
- Red (100%)
- Green (33%)
- Blue (20%)



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



- Cyan (0%)
- Magenta (67%)
- Yellow (80%)
- Black (0%)





- Cyan (0%)
- Magenta (67%)
- Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 45.0860, 27.9960, 6.1594 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 45.0860, 27.9960, 6.1594 by changing the saturation by 10% instead.


 45.0860, 27.9960,
6.1594


 45.0860, 27.9960,
6.1594


357.8996,
292.4478, 169.8406


 31.7267, 18.3226,
2.8719


 82.0857, 56.4781,
18.7442


 21.3074, 11.1819,
1.0296


 106.4569, 76.0555,
28.8786


 13.4626, 6.1893,
0.0000


 135.2294, 99.7032,
42.1323

 7.8271, 2.9605,
0.0000

 168.7686,
127.8054, 58.9240

 4.0354, 1.1112,
0.0000

 207.4399,
160.7466, 79.6721

 1.7222, 0.0000,
0.0000

 251.6086,

 0.4701, 0.0000,

198.9111, 104.7953

0.0000

301.6400,
242.6834, 134.7119

■ 0.0000, 0.0000,
0.0000

■ 45.0860, 27.9960,
6.1594

■ 45.0860, 27.9960,
6.1594

■ 43.2406, 24.9723,
3.4894

■ 47.7425, 32.1504,
10.6185

■ 42.0860, 22.9525,
2.2121

■ 51.2932, 37.5296,
17.1111

■ 42.0859, 22.9524,
2.2121

■ 55.8122, 44.2233,
25.8445

■ 61.3653, 52.3113,
37.0000

■ 68.0122, 61.8669,
50.7403

75.8082, 72.9583,
67.2138

84.8046, 85.6492,
86.5578

95.0497, 99.9998,
108.9000

Harmonies

Analogous

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



51.8539, 27.9960, 20.9413



45.0860, 27.9960, 6.1594



33.8733, 27.9960, 1.9797

Triad

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



45.0860, 27.9960, 6.1594



11.7170, 27.9960, 15.0607



30.5450, 27.9960, 130.2342

Complementary

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



45.0860, 27.9960, 6.1594



45.2686, 59.6306, 103.7309

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.



20.4661, 27.9960, 124.3999



45.0860, 27.9960, 6.1594



11.2682, 27.9960, 42.5553

Square

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



45.0860, 27.9960, 6.1594



15.4761, 27.9960, 4.2760



14.0283, 27.9960, 86.0324



42.1040, 27.9960, 98.9010

Rectangle

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



45.0860, 27.9960, 6.1594



26.3635, 27.9960, 1.4993



14.0283, 27.9960, 86.0324



26.8568, 27.9960, 132.8929

Sweetspot

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



45.0866, 27.9976, 6.1598



72.5488, 68.3333, 60.2872



55.4746, 28.8480, 71.0506



14.9410, 13.7898, 11.6647



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.



45.0866, 27.9976, 6.1598



42.4803, 23.6511, 2.6191



59.6075, 57.0394, 11.0001



18.2540, 18.4762, 18.7485



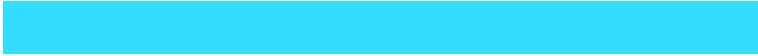
22.0622, 12.1357, 1.1796



2.2136, 1.3125, 0.1367

Inverse Universe

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



45.2686, 59.6306, 103.7309



42.2716, 55.4737, 103.0873



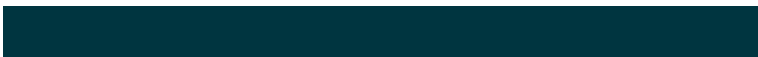
26.0120, 21.1175, 97.3121



18.2819, 19.9355, 23.1343



21.8925, 28.6946, 53.8193



2.1970, 2.9246, 5.2620

Previews

White Background



This preview shows how the XYZ color 45.0860, 27.9960, 6.1594 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 45.0860, 27.9960, 6.1594 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 45.0860, 27.9960, 6.1594

Background



This preview shows how black text looks on a background with the XYZ color 45.0860, 27.9960, 6.1594.



This preview shows how white text looks on a background with the XYZ color 45.0860, 27.9960,

6.1594.

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

45.0860, 27.9960, 6.1594

Protanopia

25.6660, 28.1417, 9.5480

Deuteranopia

28.5555, 27.9638, 5.5616



Tritanopia

45.9370, 27.9665, 11.7810

Trichromacy



Original Color

45.0860, 27.9960, 6.1594

Protanomaly

30.4581, 26.1158, 7.9930

Deuteranomaly

33.1732, 26.6723, 5.4977

Tritanomaly

45.5359, 27.9276, 9.2939

Monochromacy



Original Color

45.0860, 27.9960, 6.1594

Achromatopsia

21.9318, 23.0740, 25.1276

Achromatomaly

26.7104, 22.5879, 15.7841

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.0860, 27.9960, 6.1594 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, 85, 51)` looks like.

```
.text, #text, p{  
    color:rgb(255, 85, 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, 85, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 85, 51) }
```

Border

The CSS property to change the border of an element to XYZ 45.0860, 27.9960, 6.1594 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, 85, 51) }
```


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

```
.border{ border-color:rgb(255, 85, 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, 85, 51)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 85, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 85, 51);  
box-shadow:4px 4px 4px 4px rgb(255, 85,  
51) }
```

Background

The CSS property to change the background color of an element to XYZ 45.0860, 27.9960, 6.1594 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 85, 51) }
```

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

```
.background{ background-color: rgb(255, 85,  
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