

Converting Colors

XYZ(44.8953, 28.1316, 4.5027)

Have a look what the booklet for
XYZ(44.8953, 28.1316, 4.5027)
contains.

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Color

**XYZ(44.9227, 28.1862,
4.5116)**

Conversions

Conversions Part 1

Format	Color
Hex	FF5721
RGB	255, 87, 33
RGB Percent	100%, 34%, 13%
CMY	0.0000, 0.6588, 0.8706
CMYK	0.00, 0.66, 0.87, 0.00
HSL	15°, 100%, 56%
HSV	15°, 87%, 100%
XYZ	44.9227, 28.1862, 4.5116
YIQ	131.0760, 117.4620, 18.8220

Conversions

Conversions Part 2

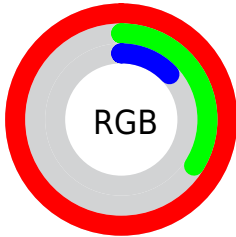
Format	Color
R_{YB}	255, 104, 33
Decimal	16733985
CIE _{Lab}	60.06, 61.64, 61.92
CIE _{LCh}	60, 87.377, 45.130
Yxy	28.1862, 0.5787, 0.3631
Android (android.graphics.Color)	4294924065 (0xFFFF5721)
YUV	131.0760, -48.3515, 108.6813
Hunter-Lab	53.0907, 58.1292, 32.1251

Details

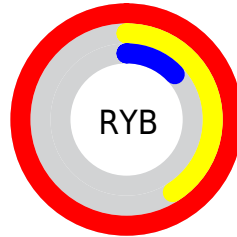
The XYZ color **44.9227, 28.1862, 4.5116** is a dark color, and the websafe version is hex **FF6633**. The color can be described as dark washed red. A complement of this color would be **39.5613, 49.3116, 102.0400**, and the grayscale version is **21.7400, 22.8722, 24.9078**.

A 20% lighter version of the original color is **52.8530, 41.8624, 13.8889**, and **21.2191, 11.2846, 1.0598** is the 20% darker color. If you saturate the color by 10%, you get **43.3307, 25.3761, 2.8297**, and if you desaturate by 10%, it is **47.2020, 31.9420, 7.7478**.

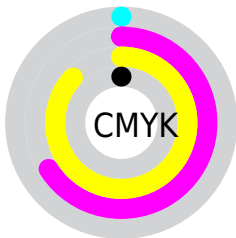
Distribution



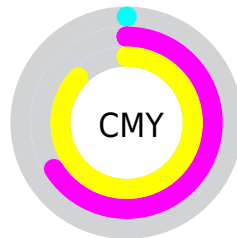
- Red (100%)
- Green (34%)
- Blue (13%)



- Red (100%)
- Yellow (41%)
- Blue (13%)



- Cyan (0%)
- Magenta (66%)
- Yellow (87%)
- Black (0%)





- Cyan (0%)
- Magenta (66%)
- Yellow (87%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 44.9227, 28.1862, 4.5116 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 44.9227, 28.1862, 4.5116 by changing the saturation by 10% instead.


 44.9227, 28.1862,
4.5116


 44.9227, 28.1862,
4.5116

357.2494,
293.3556, 153.7526

 31.5976, 18.4661,
1.9100


 81.8422, 56.7816,
15.1735


 21.2084, 11.2851,
0.4991


 106.1672, 76.4256,
24.0708

 13.3897, 6.2589,
0.0000


 134.8896,
100.1464, 35.9038

 7.7763, 3.0032,
0.0000

 168.3748,
128.3284, 51.0910

 4.0027, 1.1334,
0.0000

 206.9879,
161.3559, 70.0509

 1.7037, 0.0063,
0.0000

 251.0945,

 0.4586, 0.0000,

199.6133, 93.2021

0.0000

301.0599,
243.4851, 120.9632

0.0000, 0.0000,
0.0000

44.9227, 28.1862,
4.5116

44.9227, 28.1862,
4.5116

43.3307, 25.3761,
2.8297

47.2020, 31.9420,
7.7478

42.9644, 24.7093,
2.5049

50.2502, 36.7204,
12.8271

54.1371, 42.5949,
19.9782

58.9234, 49.6301,
29.3961

64.6638, 57.8856,
41.2529

71.4085, 67.4166,
55.7040

79.2039, 78.2751,
72.8919

88.0936, 90.5099,
92.9485

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.



53.2455, 28.1862, 17.3009



44.9227, 28.1862, 4.5116



32.6720, 28.1862, 1.3845

Triad

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



44.9227, 28.1862, 4.5116



10.9618, 28.1862, 17.4848



32.7792, 28.1862, 136.1730

Complementary

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



44.9227, 28.1862, 4.5116



39.5613, 49.3116, 102.0400

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.



21.6603, 28.1862, 136.3674



44.9227, 28.1862, 4.5116



10.9756, 28.1862, 49.6487

Square

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



44.9227, 28.1862, 4.5116



14.2959, 28.1862, 4.5666



14.3411, 28.1862, 97.9318



45.0197, 28.1862, 97.5063

Rectangle

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



44.9227, 28.1862, 4.5116



24.9201, 28.1862, 1.1677



14.3411, 28.1862, 97.9318



28.7515, 28.1862, 141.3149

Sweetspot

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



44.9233, 28.1879, 4.5120



72.1835, 68.5025, 57.3914



52.5869, 26.6689, 59.0007



14.9170, 13.9137, 11.1265



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.



44.9233, 28.1879, 4.5120



42.9647, 24.7095, 2.5049



61.2090, 60.7592, 9.9406



18.3682, 18.7046, 18.7866



22.5466, 13.1044, 1.3411



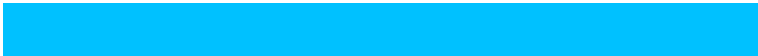
2.2762, 1.4379, 0.1576

Inverse Universe

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



39.5613, 49.3116, 102.0400



37.1114, 45.3427, 101.4038



22.5217, 15.2324, 96.3601



18.1585, 19.6886, 23.0932



19.5143, 23.9382, 53.0266



1.9851, 2.5009, 5.1914

Previews

White Background



This preview shows how the XYZ color 44.9227, 28.1862, 4.5116 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 44.9227, 28.1862, 4.5116 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 44.9227, 28.1862, 4.5116

Background



This preview shows how black text looks on a background with the XYZ color 44.9227, 28.1862, 4.5116.



This preview shows how white text looks on a background with the XYZ color 44.9227, 28.1862,

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

44.9227, 28.1862, 4.5116

Protanopia

25.5388, 28.1374, 6.7744

Deuteranopia

28.6169, 28.2442, 3.9434



Tritanopia

46.0536, 28.1346, 12.0201

Trichromacy



Original Color

44.9227, 28.1862, 4.5116

Protanomaly

30.3905, 26.3182, 5.6687

Deuteranomaly

32.9577, 26.7755, 3.7790

Tritanomaly

45.4234, 28.0059, 8.3218

Monochromacy



Original Color

44.9227, 28.1862, 4.5116

Achromatopsia

21.5731, 22.6966, 24.7166

Achromatomaly

26.1008, 22.3178, 13.7586

CSS Examples

Text

The CSS property to change the color of the text to XYZ 44.9227, 28.1862, 4.5116 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, 87, 33)` looks like.

```
.text, #text, p{  
    color:rgb(255, 87, 33)  
}
```

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, 87, 33) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 87, 33) }
```

Border

The CSS property to change the border of an element to XYZ 44.9227, 28.1862, 4.5116 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, 87, 33) }
```


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

```
.border{ border-color:rgb(255, 87, 33) }
```

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

Here you see how a box with a 4 pixel rgb(255, 87, 33) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 87, 33); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 87, 33);  
box-shadow:4px 4px 4px 4px rgb(255, 87,  
33) }
```

Background

The CSS property to change the background color of an element to XYZ 44.9227, 28.1862, 4.5116 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 87, 33) }
```

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

```
.background{ background-color: rgb(255, 87,  
33) }
```

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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