

Converting Colors

XYZ(44.7072, 27.6887, 4.6446)

Have a look what the booklet for
XYZ(44.7072, 27.6887, 4.6446)
contains.

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Color

**XYZ(44.7288, 27.7280,
4.6636)**

Conversions

Conversions Part 1

Format	Color
Hex	FF5424
RGB	255, 84, 36
RGB Percent	100%, 33%, 14%
CMY	0.0000, 0.6705, 0.8588
CMYK	0.00, 0.67, 0.86, 0.00
HSL	13°, 100%, 57%
HSV	13°, 86%, 100%
XYZ	44.7288, 27.7280, 4.6636
YIQ	129.6570, 117.3240, 21.3240

Conversions

Conversions Part 2

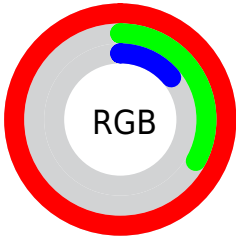
Format	Color
R_{YB}	255, 97, 36
Decimal	16733220
CIE _{Lab}	59.64, 62.87, 60.44
CIE _{LCh}	60, 87.211, 43.872
Yxy	27.7280, 0.5800, 0.3595
Android (android.graphics.Color)	4294923300 (0xFFFF5424)
YUV	129.6570, -46.1729, 109.9258
Hunter-Lab	52.6574, 59.4730, 31.6092

Details

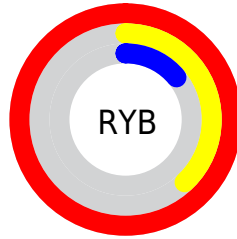
The XYZ color **44.7288, 27.7280, 4.6636** is a dark color, and the websafe version is hex **FF6633**. The color can be described as dark washed red. A complement of this color would be **41.0878, 52.2156, 102.5202**, and the grayscale version is **21.2272, 22.3327, 24.3203**.

A 20% lighter version of the original color is **52.4852, 40.9979, 14.1639**, and **21.0948, 11.0359, 1.0183** is the 20% darker color. If you saturate the color by 10%, you get **43.1364, 24.9611, 2.8461**, and if you desaturate by 10%, it is **47.0380, 31.4869, 8.0844**.

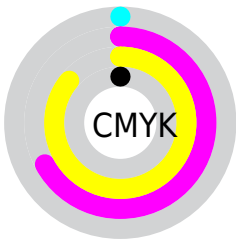
Distribution



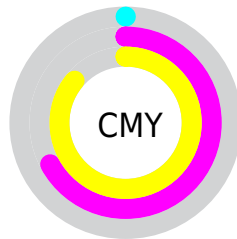
- Red (100%)
- Green (33%)
- Blue (14%)



- Red (100%)
- Yellow (38%)
- Blue (14%)



- Cyan (0%)
- Magenta (67%)
- Yellow (86%)
- Black (0%)





- Cyan (0%)
- Magenta (67%)
- Yellow (86%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 44.7288, 27.7280, 4.6636 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 44.7288, 27.7280, 4.6636 by changing the saturation by 10% instead.


 44.7288, 27.7280,
4.6636


 44.7288, 27.7280,
4.6636


356.4763,
291.1649, 155.3381


 31.4442, 18.1207,
1.9960


 81.5529, 56.0499,
15.5134


 21.0908, 11.0367,
0.5528


 105.8231, 75.5333,
24.5327


 13.3033, 6.0915,
0.0000


 134.4859, 99.0775,
36.5063

 7.7161, 2.9008,
0.0000

 167.9067,
127.0670, 51.8528

 3.9641, 1.0802,
0.0000

 206.4507,
159.8860, 70.9907

 1.6819, 0.0000,
0.0000

 250.4834,

 0.4449, 0.0000,

197.9191, 94.3385

0.0000

300.3702,
241.5506, 122.3148

■ 0.0000, 0.0000,
0.0000

■ 44.7288, 27.7280,
4.6636

■ 44.7288, 27.7280,
4.6636

■ 43.1364, 24.9611,
2.8461

■ 47.0380, 31.4869,
8.0844

■ 42.6492, 24.0788,
2.3998

■ 50.1465, 36.3209,
13.3847

■ 54.1263, 42.3089,
20.7896

■ 59.0402, 49.5207,
30.4918

■ 64.9448, 58.0206,
42.6623

71.8921, 67.8680,
57.4553

79.9305, 79.1187,
75.0129

89.1051, 91.8254,
95.4664

95.0498, 99.9999,
108.9000

Harmonies

Analogous

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



52.6791, 27.7280, 17.8737



44.7288, 27.7280, 4.6636



32.6766, 27.7280, 1.3808

Triad

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



44.7288, 27.7280, 4.6636



10.8119, 27.7280, 16.2983



31.7571, 27.7280, 135.4252

Complementary

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



44.7288, 27.7280, 4.6636



41.0878, 52.2156, 102.5202

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.



20.9057, 27.7280, 133.7534



44.7288, 27.7280, 4.6636



10.6934, 27.7280, 47.1646

Square

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



44.7288, 27.7280, 4.6636



14.2471, 27.7280, 4.1948



13.8599, 27.7280, 94.6254



43.8963, 27.7280, 98.2830

Rectangle

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



44.7288, 27.7280, 4.6636



24.9522, 27.7280, 1.1130



13.8599, 27.7280, 94.6254



27.8087, 27.7280, 139.9022

Sweetspot

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



44.7294, 27.7296, 4.6640



71.8042, 67.7439, 57.2649



53.2005, 27.0536, 61.8024



14.8290, 13.7377, 11.0972



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.



44.7294, 27.7296, 4.6640



42.6494, 24.0789, 2.3998



60.6171, 59.5050, 9.9599



18.3322, 18.6326, 18.7746



22.3742, 12.7595, 1.2836



2.2548, 1.3950, 0.1504

Inverse Universe

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



41.0878, 52.2156, 102.5202



38.4959, 48.1118, 101.8653



23.1499, 16.3399, 96.5410



18.1971, 19.7659, 23.1061



20.2302, 25.3699, 53.2652



2.0493, 2.6293, 5.2128

Previews

White Background



This preview shows how the XYZ color 44.7288, 27.7280, 4.6636 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 44.7288, 27.7280, 4.6636 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 44.7288, 27.7280, 4.6636

Background



This preview shows how black text looks on a background with the XYZ color 44.7288, 27.7280, 4.6636.



This preview shows how white text looks on a background with the XYZ color 44.7288, 27.7280,

4.6636.

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

44.7288, 27.7280, 4.6636

Protanopia

25.2687, 27.7626, 7.1589

Deuteranopia

28.0956, 27.5534, 3.8375



Tritanopia

45.7827, 27.7850, 11.3375

Trichromacy



Original Color

44.7288, 27.7280, 4.6636

Protanomaly

29.9584, 25.7184, 5.9699

Deuteranomaly

32.7284, 26.3069, 3.7335

Tritanomaly

45.2704, 27.6998, 8.2708

Monochromacy



Original Color

44.7288, 27.7280, 4.6636

Achromatopsia

21.2178, 22.3228, 24.3095

Achromatomaly

25.6956, 21.7687, 13.9138

CSS Examples

Text

The CSS property to change the color of the text to XYZ 44.7288, 27.7280, 4.6636 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, 84, 36)` looks like.

```
.text, #text, p{  
    color:rgb(255, 84, 36)  
}
```

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, 84, 36) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 84, 36) }
```

Border

The CSS property to change the border of an element to XYZ 44.7288, 27.7280, 4.6636 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, 84, 36) }
```


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

```
.border{ border-color:rgb(255, 84, 36) }
```

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

Here you see how a box with a 4 pixel rgb(255, 84, 36) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 84, 36); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 84, 36);  
box-shadow:4px 4px 4px 4px rgb(255, 84,  
36) }
```

Background

The CSS property to change the background color of an element to XYZ 44.7288, 27.7280, 4.6636 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 84, 36) }
```

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

```
.background{ background-color: rgb(255, 84,  
36) }
```

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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