

Converting Colors

XYZ(45.9682, 29.2470, 8.0357)

Have a look what the booklet for
XYZ(45.9682, 29.2470, 8.0357)
contains.

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Color

**XYZ(45.9926, 29.2845,
8.0789)**

Conversions

Conversions Part 1

Format	Color
Hex	FF5C40
RGB	255, 92, 64
RGB Percent	100%, 36%, 25%
CMY	0.0000, 0.6392, 0.7490
CMYK	0.00, 0.64, 0.75, 0.00
HSL	9°, 100%, 63%
HSV	9°, 75%, 100%
XYZ	45.9926, 29.2845, 8.0789
YIQ	137.5450, 106.1360, 25.8480

Conversions

Conversions Part 2

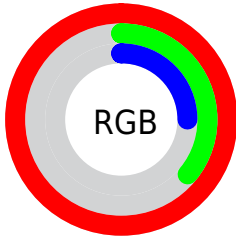
Format	Color
R_YB	255, 97, 64
Decimal	16735296
CIE Lab	61.03, 60.51, 48.77
CIE LCh	61, 77.717, 38.870
Yxy	29.2845, 0.5518, 0.3513
Android (android.graphics.Color)	4294925376 (0xFFFF5C40)
YUV	137.5450, -36.2577, 103.0080
Hunter-Lab	54.1152, 57.0061, 29.0292

Details

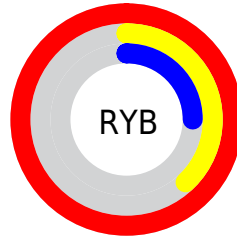
The XYZ color **45.9926, 29.2845, 8.0789** is a dark color, and the websafe version is hex **FF6633**. The color can be described as middle washed red. A complement of this color would be **47.6306, 63.2426, 104.3038**, and the grayscale version is **24.0909, 25.3456, 27.6013**.

A 20% lighter version of the original color is **54.9681, 43.9471, 21.2083**, and **21.7516, 11.8181, 1.6650** is the 20% darker color. If you saturate the color by 10%, you get **43.8036, 25.8148, 4.5505**, and if you desaturate by 10%, it is **49.0556, 33.9726, 13.5338**.

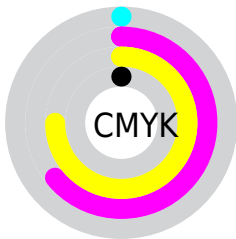
Distribution



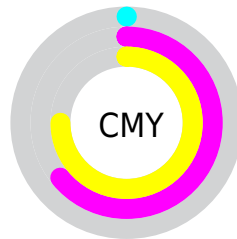
- Red (100%)
- Green (36%)
- Blue (25%)



- Red (100%)
- Yellow (38%)
- Blue (25%)



- Cyan (0%)
- Magenta (64%)
- Yellow (75%)
- Black (0%)





- Cyan (0%)
- Magenta (64%)
- Yellow (75%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 45.9926, 29.2845, 8.0789 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 45.9926, 29.2845, 8.0789 by changing the saturation by 10% instead.


 45.9926, 29.2845,
8.0789


 45.9926, 29.2845,
8.0789

361.4953,
298.5549, 186.3072


 32.4446, 19.2961,
4.0570


 83.4359, 58.5288,
22.6617

 21.8585, 11.8845,
1.6567


 108.0618, 78.5535,
34.0596

 13.8690, 6.6651,
0.3308


 137.1111,
102.6925, 48.7534

 8.1107, 3.2535,
0.0000

 170.9491,
131.3301, 67.1614

 4.2183, 1.2655,
0.0000

 209.9412,
164.8508, 89.7022

 1.8263, 0.1142,
0.0000

 254.4527,

 0.5335, 0.0000,

203.6389, 116.7945

0.0000

304.8489,
248.0788, 148.8566

■ 0.0000, 0.0000,
0.0000

■ 45.9926, 29.2845,
8.0789

■ 45.9926, 29.2845,
8.0789

■ 43.8036, 25.8148,
4.5505

■ 49.0556, 33.9726,
13.5338

■ 42.3895, 23.4431,
2.6716


■ 53.0726, 39.9743,
21.1386


■ 41.9137, 22.6077,
2.1546

■ 58.1168, 47.3810,
31.0874

■ 64.2534, 56.2743,
43.5524

■ 71.5420, 66.7296,
58.6892

 80.0380, 78.8172,
76.6410

 89.7932, 92.6031,
97.5409

95.0497, 99.9999,
108.9000

Harmonies

Analogous

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



51.9554, 29.2845, 24.0101



45.9926, 29.2845, 8.0789



35.4908, 29.2845, 2.9874

Triad

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



45.9926, 29.2845, 8.0789



13.2939, 29.2845, 15.6649



30.9579, 29.2845, 125.3293

Complementary

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



45.9926, 29.2845, 8.0789



47.6306, 63.2426, 104.3038

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.



21.3662, 29.2845, 117.7803



45.9926, 29.2845, 8.0789



12.6446, 29.2845, 41.3192

Square

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



45.9926, 29.2845, 8.0789



17.2820, 29.2845, 5.1449



15.2216, 29.2845, 81.4920



41.9894, 29.2845, 98.3362

Rectangle

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



45.9926, 29.2845, 8.0789



28.2212, 29.2845, 2.2782



15.2216, 29.2845, 81.4920



27.4504, 29.2845, 126.9767

Sweetspot

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



45.9933, 29.2862, 8.0794



73.8808, 70.0661, 63.6021



57.2906, 30.6138, 77.4089



15.3451, 14.3288, 12.6292



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.



45.9933, 29.2862, 8.0794



42.9929, 24.4763, 3.4067



59.5072, 56.3140, 12.5840



18.2243, 18.4167, 18.7386



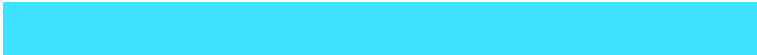
21.9651, 11.9415, 1.1473



2.1996, 1.2846, 0.1320

Inverse Universe

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



47.6306, 63.2426, 104.3038



44.4108, 59.3280, 103.7185



28.6941, 25.3695, 97.9916



18.3145, 20.0006, 23.1452



22.5649, 30.0394, 54.0435



2.2562, 3.0432, 5.2817

Previews

White Background



This preview shows how the XYZ color 45.9926, 29.2845, 8.0789 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 45.9926, 29.2845, 8.0789 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 45.9926, 29.2845, 8.0789

Background



This preview shows how black text looks on a background with the XYZ color 45.9926, 29.2845, 8.0789.



This preview shows how white text looks on a background with the XYZ color 45.9926, 29.2845,

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

45.9926, 29.2845, 8.0789

Protanopia

26.9754, 29.4553, 12.0483

Deuteranopia

29.7879, 29.2036, 7.4350



Tritanopia

46.8328, 29.2129, 13.7600

Trichromacy



Original Color

45.9926, 29.2845, 8.0789

Protanomaly

31.7541, 27.6821, 10.3262

Deuteranomaly

34.3998, 28.1630, 7.4938

Tritanomaly

46.4575, 29.1969, 11.3706

Monochromacy



Original Color

45.9926, 29.2845, 8.0789

Achromatopsia

24.1572, 25.4152, 27.6772

Achromatomaly

28.7627, 24.6462, 18.2802

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.9926, 29.2845, 8.0789 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, 92, 64)` looks like.

```
.text, #text, p{  
    color:rgb(255, 92, 64)  
}
```

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, 92, 64) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 92, 64) }
```

Border

The CSS property to change the border of an element to XYZ 45.9926, 29.2845, 8.0789 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, 92, 64) }
```


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

```
.border{ border-color:rgb(255, 92, 64) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 92, 64)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 92, 64); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 92, 64);  
box-shadow:4px 4px 4px 4px rgb(255, 92,  
64) }
```

Background

The CSS property to change the background color of an element to XYZ 45.9926, 29.2845, 8.0789 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 92, 64) }
```

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

```
.background{ background-color: rgb(255, 92,  
64) }
```

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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