

Converting Colors

XYZ(45.6493, 29.1224, 6.3474)

Have a look what the booklet for
XYZ(45.6493, 29.1224, 6.3474)
contains.

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Color

**XYZ(45.6647, 29.1533,
6.3523)**

Conversions

Conversions Part 1

Format	Color
Hex	FF5C33
RGB	255, 92, 51
RGB Percent	100%, 36%, 20%
CMY	0.0000, 0.6392, 0.8000
CMYK	0.00, 0.64, 0.80, 0.00
HSL	12°, 100%, 60%
HSV	12°, 80%, 100%
XYZ	45.6647, 29.1533, 6.3523
YIQ	136.0630, 110.3090, 21.8050

Conversions

Conversions Part 2

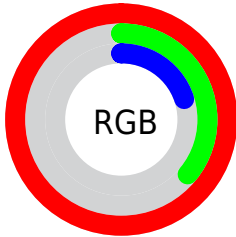
Format	Color
R_{YB}	255, 102, 51
Decimal	16735283
CIE Lab	60.92, 60.07, 55.05
CIE LCh	61, 81.477, 42.501
Yxy	29.1533, 0.5626, 0.3592
Android (android.graphics.Color)	4294925363 (0xFFFF5C33)
YUV	136.0630, -41.9361, 104.3077
Hunter-Lab	53.9938, 56.4754, 30.8203

Details

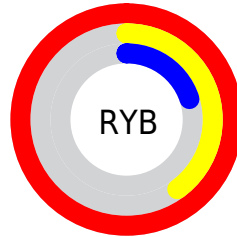
The XYZ color **45.6647, 29.1533, 6.3523** is a dark color, and the websafe version is hex **FF6633**. The color can be described as dark washed red. A complement of this color would be **43.4592, 56.0119, 103.1279**, and the grayscale version is **23.5500, 24.7764, 26.9815**.

A 20% lighter version of the original color is **54.1789, 43.3794, 17.8294**, and **21.6746, 11.8259, 1.1402** is the 20% darker color. If you saturate the color by 10%, you get **43.7146, 25.9201, 3.6474**, and if you desaturate by 10%, it is **48.3984, 33.4620, 10.8371**.

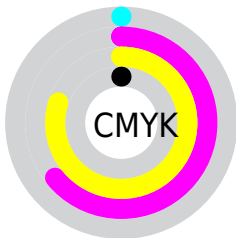
Distribution



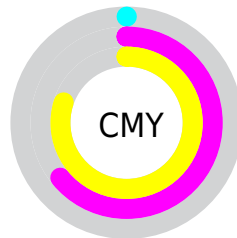
- Red (100%)
- Green (36%)
- Blue (20%)



- Red (100%)
- Yellow (40%)
- Blue (20%)



- Cyan (0%)
- Magenta (64%)
- Yellow (80%)
- Black (0%)




- Cyan (0%)
- Magenta (64%)
- Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 45.6647, 29.1533, 6.3523 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 45.6647, 29.1533, 6.3523 by changing the saturation by 10% instead.


 45.6647, 29.1533,
6.3523


 45.6647, 29.1533,
6.3523

360.1976,
297.9376, 171.5892

 32.1848, 19.1968,
2.9882

 82.9479, 58.3206,
19.1480


 21.6589, 11.8126,
1.0886


 107.4819, 78.3001,
29.4167

 13.7217, 6.6162,
0.0000


 136.4314,
102.3895, 42.8241

 8.0078, 3.2233,
0.0000

 170.1616,
130.9731, 59.7886

 4.1518, 1.2494,
0.0000

 209.0380,
164.4353, 80.7288

 1.7883, 0.1015,
0.0000

 253.4259,

 0.5106, 0.0000,

203.1606, 106.0633

0.0000

303.6906,
247.5332, 136.2106

■ 0.0000, 0.0000,
0.0000

■ 45.6647, 29.1533,
6.3523

■ 45.6647, 29.1533,
6.3523

■ 43.7146, 25.9201,
3.6474

■ 48.3984, 33.4620,
10.8371

■ 42.4351, 23.6506,
2.3285

■ 51.9925, 38.9280,
17.3442

■ 42.4350, 23.6505,
2.3284

■ 56.5160, 45.6309,
26.0792

■ 62.0302, 53.6411,
37.2218

■ 68.5909, 63.0242,
50.9334

■ 76.2495, 73.8408,
67.3612

■ 85.0542, 86.1481,
86.6412

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.



52.8221, 29.1533, 20.6881



45.6647, 29.1533, 6.3523



34.3172, 29.1533, 2.2532

Triad

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



45.6647, 29.1533, 6.3523



12.4355, 29.1533, 17.2005



32.3708, 29.1533, 129.9754

Complementary

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



45.6647, 29.1533, 6.3523



43.4592, 56.0119, 103.1279

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.



22.0093, 29.1533, 126.6251



45.6647, 29.1533, 6.3523



12.1672, 29.1533, 46.1664

Square

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



45.6647, 29.1533, 6.3523



16.0721, 29.1533, 5.1963



15.2119, 29.1533, 89.9484



43.9298, 29.1533, 97.3671

Rectangle

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



45.6647, 29.1533, 6.3523



26.8273, 29.1533, 1.8284



15.2119, 29.1533, 89.9484



28.6105, 29.1533, 133.4128

Sweetspot

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



45.6653, 29.1550, 6.3528



73.0512, 69.3382, 60.4546



54.5867, 28.4929, 66.3747



15.0587, 14.0252, 11.7039



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.



45.6653, 29.1550, 6.3528



42.8811, 24.4528, 2.7527



61.0846, 59.9934, 11.4925



18.3050, 18.5782, 18.7655



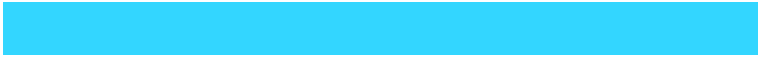
22.2563, 12.5238, 1.2443



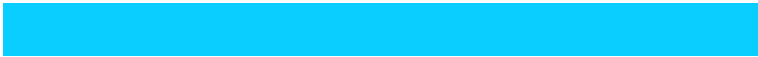
2.2397, 1.3648, 0.1454

Inverse Universe

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



43.4592, 56.0119, 103.1279



40.1981, 51.3266, 102.3961



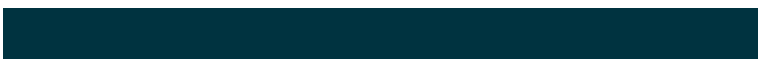
25.2315, 19.5565, 97.0520



18.2265, 19.8245, 23.1158



20.7906, 26.4908, 53.4520



2.0993, 2.7293, 5.2294

Previews

White Background



This preview shows how the XYZ color 45.6647, 29.1533, 6.3523 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 45.6647, 29.1533, 6.3523 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 45.6647, 29.1533, 6.3523

Background



This preview shows how black text looks on a background with the XYZ color 45.6647, 29.1533, 6.3523.



This preview shows how white text looks on a background with the XYZ color 45.6647, 29.1533,

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

45.6647, 29.1533, 6.3523

Protanopia

26.7269, 29.1533, 9.3727

Deuteranopia

29.7196, 29.2040, 5.8208



Tritanopia

46.7882, 29.1951, 13.5251

Trichromacy



Original Color

45.6647, 29.1533, 6.3523

Protanomaly

31.4576, 27.3860, 8.0429

Deuteranomaly

34.0792, 28.0347, 5.8056

Tritanomaly

46.2713, 29.1224, 10.3901

Monochromacy



Original Color

45.6647, 29.1533, 6.3523

Achromatopsia

23.4014, 24.6201, 26.8113

Achromatomaly

27.8567, 24.0366, 16.5359

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.6647, 29.1533, 6.3523 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, 51)` looks like.

```
.text, #text, p{  
    color:rgb(255, 92, 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, 92, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 92, 51) }
```

Border

The CSS property to change the border of an element to XYZ 45.6647, 29.1533, 6.3523 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, 51) }
```


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

```
.border{ border-color:rgb(255, 92, 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, 92, 51)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 92, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 92, 51);  
box-shadow:4px 4px 4px 4px rgb(255, 92,  
51) }
```

Background

The CSS property to change the background color of an element to XYZ 45.6647, 29.1533, 6.3523 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, 51) }
```

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

```
.background{ background-color: rgb(255, 92,  
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](#).

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