

Converting Colors

XYZ(45.3537, 29.1005, 4.4955)

Have a look what the booklet for
XYZ(45.3537, 29.1005, 4.4955)
contains.

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Color

**XYZ(45.4017, 29.1876,
4.5372)**

Conversions

Conversions Part 1

Format	Color
Hex	FF5D1F
RGB	255, 93, 31
RGB Percent	100%, 36%, 12%
CMY	0.0000, 0.6353, 0.8784
CMYK	0.00, 0.64, 0.88, 0.00
HSL	17°, 100%, 56%
HSV	17°, 88%, 100%
XYZ	45.4017, 29.1876, 4.5372
YIQ	134.3700, 116.4540, 15.0620

Conversions

Conversions Part 2

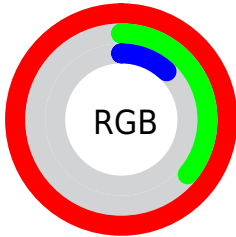
Format	Color
R_{YB}	255, 117, 31
Decimal	16735519
CIE Lab	60.95, 59.19, 63.33
CIE LCh	61, 86.681, 46.936
Yxy	29.1876, 0.5738, 0.3689
Android (android.graphics.Color)	4294925599 (0xFFFF5D1F)
YUV	134.3700, -50.9614, 105.7925
Hunter-Lab	54.0255, 55.4622, 32.8386

Details

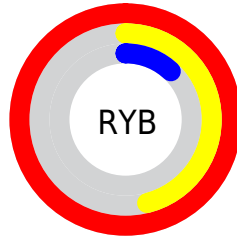
The XYZ color **45.4017, 29.1876, 4.5372** is a dark color, and the websafe version is hex **FF6633**. The color can be described as dark washed red. A complement of this color would be **37.6832, 45.6477, 101.4319**, and the grayscale version is **22.9496, 24.1448, 26.2936**.

A 20% lighter version of the original color is **53.5877, 43.3950, 13.9392**, and **21.7252, 11.9271, 1.1571** is the 20% darker color. If you saturate the color by 10%, you get **43.7568, 26.2458, 2.9177**, and if you desaturate by 10%, it is **47.6997, 33.0179, 7.6652**.

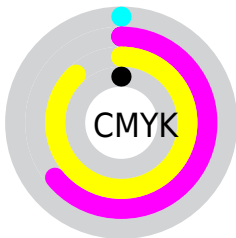
Distribution



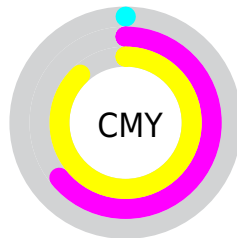
- Red (100%)
- Green (36%)
- Blue (12%)



- Red (100%)
- Yellow (46%)
- Blue (12%)



- Cyan (0%)
- Magenta (64%)
- Yellow (88%)
- Black (0%)





- Cyan (0%)
- Magenta (64%)
- Yellow (88%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 45.4017, 29.1876, 4.5372 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 45.4017, 29.1876, 4.5372 by changing the saturation by 10% instead.


 45.4017, 29.1876,
4.5372


 45.4017, 29.1876,
4.5372


359.1544,
298.0991, 154.0213


 31.9766, 19.2228,
1.9244


 82.5562, 58.3750,
15.2309


 21.4991, 11.8314,
0.5082


 107.0164, 78.3664,
24.1489

 13.6038, 6.6290,
0.0000


 135.8855,
102.4688, 36.0057

 7.9255, 3.2312,
0.0000

 169.5291,
131.0665, 51.2199

 4.0987, 1.2536,
0.0000

 208.3124,
164.5440, 70.2101

 1.7581, 0.1048,
0.0000

 252.6008,

 0.4922, 0.0000,

203.2857, 93.3946

0.0000

302.7597,
247.6759, 121.1922

0.0000, 0.0000,
0.0000

45.4017, 29.1876,
4.5372

45.4017, 29.1876,
4.5372

43.7568, 26.2458,
2.9177

47.6997, 33.0179,
7.6652

43.4669, 25.7143,
2.6724

50.7311, 37.8057,
12.6066

54.5623, 43.6165,
19.5921

59.2509, 50.5081,
28.8174

64.8486, 58.5338,
40.4553

71.4029, 67.7430,
54.6612

78.9577, 78.1823,
71.5774

87.5542, 89.8955,
91.3360

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.



54.1853, 29.1876, 16.8685



45.4017, 29.1876, 4.5372



32.9545, 29.1876, 1.5269

Triad

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



45.4017, 29.1876, 4.5372



11.4903, 29.1876, 19.6771



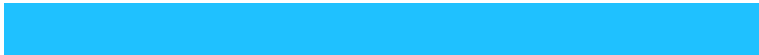
34.5729, 29.1876, 136.3787

Complementary

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



45.4017, 29.1876, 4.5372



37.6832, 45.6477, 101.4319

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.



23.1102, 29.1876, 139.2762



45.4017, 29.1876, 4.5372



11.7030, 29.1876, 53.6000

Square

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



45.4017, 29.1876, 4.5372



14.6919, 29.1876, 5.3999



15.3828, 29.1876, 102.4731



46.8605, 29.1876, 96.1125

Rectangle

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



45.4017, 29.1876, 4.5372



25.1972, 29.1876, 1.3791



15.3828, 29.1876, 102.4731



30.4525, 29.1876, 142.3956

Sweetspot

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



45.4023, 29.1893, 4.5377



72.7185, 69.5726, 57.5697



51.6103, 26.1922, 54.1236



15.0414, 14.1625, 11.1680



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.



45.4023, 29.1893, 4.5377



43.4672, 25.7145, 2.6724



62.7801, 63.9449, 10.3303



18.4186, 18.8054, 18.8034



22.8193, 13.6498, 1.4320



2.3088, 1.5029, 0.1684

Inverse Universe

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



37.6832, 45.6477, 101.4319



35.2758, 41.6716, 100.7919



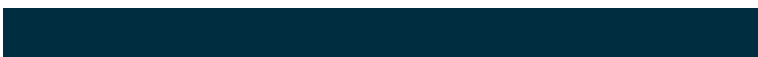
21.7289, 13.7390, 96.1138



18.1048, 19.5812, 23.0753



18.5642, 22.0380, 52.7099



1.8993, 2.3293, 5.1628

Previews

White Background



This preview shows how the XYZ color 45.4017, 29.1876, 4.5372 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 45.4017, 29.1876, 4.5372 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 45.4017, 29.1876, 4.5372

Background



This preview shows how black text looks on a background with the XYZ color 45.4017, 29.1876, 4.5372.



This preview shows how white text looks on a background with the XYZ color 45.4017, 29.1876,

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

45.4017, 29.1876, 4.5372

Protanopia

26.5806, 29.3686, 6.7504

Deuteranopia

29.6278, 29.1953, 4.0737



Tritanopia

46.8328, 29.2129, 13.7600

Trichromacy



Original Color

45.4017, 29.1876, 4.5372

Protanomaly

31.3909, 27.5973, 5.6798

Deuteranomaly

34.0073, 28.0390, 3.9363

Tritanomaly

46.0335, 29.0273, 9.1378

Monochromacy



Original Color

45.4017, 29.1876, 4.5372

Achromatopsia

22.6597, 23.8398, 25.9615

Achromatomaly

27.1146, 23.5217, 14.4203

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.4017, 29.1876, 4.5372 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, 93, 31)` looks like.

```
.text, #text, p{  
    color:rgb(255, 93, 31)  
}
```

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, 93, 31) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 93, 31) }
```

Border

The CSS property to change the border of an element to XYZ 45.4017, 29.1876, 4.5372 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, 93, 31) }
```


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

```
.border{ border-color:rgb(255, 93, 31) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 93, 31)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 93, 31); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 93, 31);  
box-shadow:4px 4px 4px 4px rgb(255, 93,  
31) }
```

Background

The CSS property to change the background color of an element to XYZ 45.4017, 29.1876, 4.5372 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 93, 31) }
```

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

```
.background{ background-color: rgb(255, 93,  
31) }
```

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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