

Converting Colors

XYZ(45.1670, 29.1140, 3.2390)

Have a look what the booklet for
XYZ(45.1670, 29.1140, 3.2390)
contains.

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Color

**XYZ(45.1544, 29.0887,
3.2348)**

Conversions

Conversions Part 1

Format	Color
Hex	FF5D00
RGB	255, 93, 0
RGB Percent	100%, 36%, 0%
CMY	0.0000, 0.6353, 1.0000
CMYK	0.00, 0.64, 1.00, 0.00
HSL	22°, 100%, 50%
HSV	22°, 100%, 100%
XYZ	45.1544, 29.0887, 3.2348
YIQ	130.8360, 126.4050, 5.4210

Conversions

Conversions Part 2

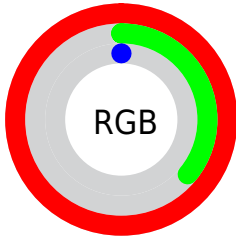
Format	Color
RYB	255, 146, 0
Decimal	16735488
CIELab	60.86, 58.85, 70.57
CIElCh	61, 91.892, 50.176
Yxy	29.0887, 0.5828, 0.3754
Android (android.graphics.Color)	4294925568 (0xFFFF5D00)
YUV	130.8360, -64.5021, 108.8918
Hunter-Lab	53.9339, 55.0588, 34.1977

Details

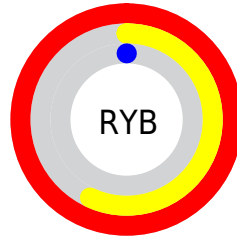
The XYZ color **45.1544, 29.0887, 3.2348** is a dark color, and the websafe version is hex **FF6600**. The color can be described as dark saturated red. A complement of this color would be **30.9694, 33.0589, 99.3559**, and the grayscale version is **21.7078, 22.8383, 24.8709**.

A 20% lighter version of the original color is **53.0006, 43.1601, 10.8475**, and **21.4763, 11.7988, 1.1455** is the 20% darker color. If you saturate the color by 10%, you get **45.1546, 29.0897, 3.2350**, and if you desaturate by 10%, it is **46.9117, 32.3143, 4.7134**.

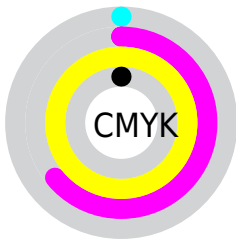
Distribution



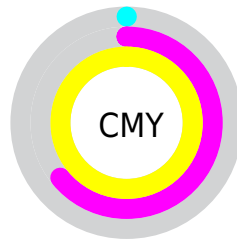
- Red (100%)
- Green (36%)
- Blue (0%)



- Red (100%)
- Yellow (57%)
- Blue (0%)



- Cyan (0%)
- Magenta (64%)
- Yellow (100%)
- Black (0%)





- Cyan (0%)
- Magenta (64%)
- Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 45.1544, 29.0887, 3.2348 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 45.1544, 29.0887, 3.2348 by changing the saturation by 10% instead.


 45.1544, 29.0887,
3.2348

 45.1544, 29.0887,
3.2348

358.1717,
297.6332, 139.2972

 31.7809, 19.1479,
1.2157


 82.1877, 58.2180,
12.2025

 21.3489, 11.7772,
0.0000


 106.5782, 78.1753,
19.9883

 13.4932, 6.5922,
0.0000


 135.3716,
102.2402, 30.5333

 7.8484, 3.2084,
0.0000

 168.9335,
130.7972, 44.2562

 4.0491, 1.2415,
0.0000

 207.6291,
164.2306, 61.5755


 1.7299, 0.0952,
0.0000

 251.8237,


 0.4749, 0.0000,


202.9248, 82.9098


0.0000


 301.8828,
247.2642, 108.6774


 0.0000, 0.0000,
0.0000


 45.1544, 29.0887,
3.2348


 45.1544, 29.0887,
3.2348


 45.1546, 29.0897,
3.2350

 46.9117, 32.3143,
4.7134

 49.2229, 36.2699,
7.5391

 52.1767, 41.0184,
12.0974

 55.8323, 46.6074,
18.6254

 60.2409, 53.0801,
27.3224

65.4481, 60.4762,
38.3631

71.4955, 68.8326,
51.9040

78.4216, 78.1841,
68.0880

86.2624, 88.5635,
87.0473

Harmonies

Analogous

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



55.3528, 29.0887, 13.9494



45.1544, 29.0887, 3.2348



31.7622, 29.0887, 1.0064

Triad

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



45.1544, 29.0887, 3.2348



10.6101, 29.0887, 21.7080



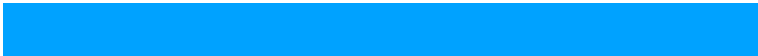
36.3662, 29.0887, 142.5063

Complementary

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



45.1544, 29.0887, 3.2348



30.9694, 33.0589, 99.3559

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.



23.9053, 29.0887, 151.0573



45.1544, 29.0887, 3.2348



11.1876, 29.0887, 60.2660

Square

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



45.1544, 29.0887, 3.2348



13.4755, 29.0887, 5.4410



15.3762, 29.0887, 114.0096



49.3484, 29.0887, 95.3840

Rectangle

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



45.1544, 29.0887, 3.2348



23.7794, 29.0887, 1.0135



15.3762, 29.0887, 114.0096



31.9148, 29.0887, 150.8585

Sweetspot

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



45.1550, 29.0904, 3.2353



71.4944, 68.8309, 51.9007



48.1000, 24.0041, 38.0552



14.7345, 13.9530, 9.8197



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.



45.1550, 29.0904, 3.2353



45.1549, 29.0899, 3.2350



65.9883, 70.7569, 10.1797



18.5518, 19.0717, 18.8478



23.7237, 15.4585, 1.7334



2.4095, 1.7045, 0.2020

Inverse Universe

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



30.9694, 33.0589, 99.3559



30.9691, 33.0583, 99.3564



18.7513, 8.6226, 95.2831



17.9652, 19.3019, 23.0287



16.3292, 17.5680, 51.9649



1.6940, 1.9187, 5.0943

Previews

White Background



This preview shows how the XYZ color 45.1544, 29.0887, 3.2348 looks on a white background.

Color Contrast Check

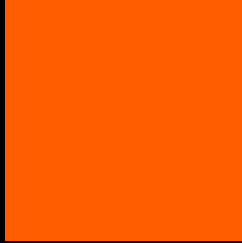
Large Text (above 18pt) WCAG AA ✓ Pass

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 45.1544, 29.0887, 3.2348 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 45.1544, 29.0887, 3.2348

Background



This preview shows how black text looks on a background with the XYZ color 45.1544, 29.0887, 3.2348.



This preview shows how white text looks on a background with the XYZ color 45.1544, 29.0887,

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

45.1544, 29.0887, 3.2348

Protanopia

26.5022, 29.3614, 5.2478

Deuteranopia

29.6278, 29.1953, 4.0737



Tritanopia

46.7882, 29.1951, 13.5251

Trichromacy



Original Color

45.1544, 29.0887, 3.2348

Protanomaly

31.1091, 27.4846, 4.1957

Deuteranomaly

33.9469, 28.0148, 3.6182

Tritanomaly

45.6856, 28.8881, 7.3057

Monochromacy



Original Color

45.1544, 29.0887, 3.2348

Achromatopsia

21.5731, 22.6966, 24.7166

Achromatomaly

25.8271, 22.5772, 11.1802

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.1544, 29.0887, 3.2348 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, 0)` looks like.

```
.text, #text, p{  
    color:rgb(255, 93, 0)  
}
```

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, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 93, 0) }
```

Border

The CSS property to change the border of an element to XYZ 45.1544, 29.0887, 3.2348 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, 0) }
```


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

```
.border{ border-color:rgb(255, 93, 0) }
```

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, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 93, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 93, 0);  
box-shadow:4px 4px 4px 4px rgb(255, 93, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 45.1544, 29.0887, 3.2348 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, 0) }
```

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

```
.background{ background-color: rgb(255, 93,  
0) }
```

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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