

Converting Colors

XYZ(46.2387, 29.7690, 3.6858)

Have a look what the booklet for
XYZ(46.2387, 29.7690, 3.6858)
contains.

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Color

**XYZ(45.3153, 29.2945,
3.6468)**

Conversions

Conversions Part 1

Format	Color
Hex	FF5E0D
RGB	255, 94, 13
RGB Percent	100%, 37%, 5%
CMY	0.0000, 0.6313, 0.9490
CMYK	0.00, 0.63, 0.95, 0.00
HSL	20°, 100%, 53%
HSV	20°, 95%, 100%
XYZ	45.3153, 29.2945, 3.6468
YIQ	132.9050, 121.9570, 8.9410

Conversions

Conversions Part 2

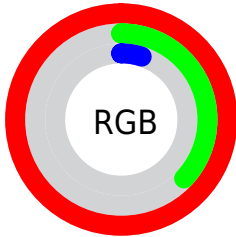
Format	Color
RYB	255, 135, 13
Decimal	16735757
CIELab	61.04, 58.53, 68.36
CIELCh	61, 89.996, 49.428
Yxy	29.2945, 0.5791, 0.3743
Android (android.graphics.Color)	4294925837 (0xFFFFF5E0D)
YUV	132.9050, -59.1132, 107.0773
Hunter-Lab	54.1244, 54.7303, 33.8922

Details

The XYZ color **45.3153, 29.2945, 3.6468** 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 **33.3505, 37.5749, 100.1017**, and the grayscale version is **22.4387, 23.6072, 25.7083**.

A 20% lighter version of the original color is **53.3489, 43.5537, 11.8982**, and **21.5301, 11.9065, 1.1634** is the 20% darker color. If you saturate the color by 10%, you get **44.5164, 27.8135, 3.0223**, and if you desaturate by 10%, it is **47.2793, 32.7664, 5.7094**.

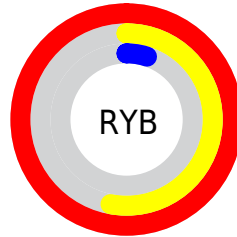
Distribution



Red (100%)

Green (37%)

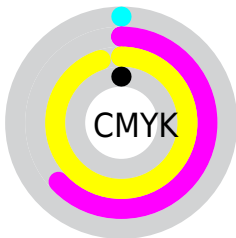
Blue (5%)



Red (100%)

Yellow (53%)

Blue (5%)

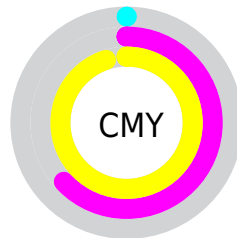


Cyan (0%)

Magenta (63%)

Yellow (95%)

Black (0%)



Cyan (0%)


Magenta (63%)


Yellow (95%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 45.3153, 29.2945, 3.6468 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 45.3153, 29.2945, 3.6468 by changing the saturation by 10% instead.


 45.3153, 29.2945,
3.6468


 45.3153, 29.2945,
3.6468


358.8113,
298.6020, 144.2147


 31.9082, 19.3037,
1.4337


 82.4275, 58.5447,
13.1866


 21.4466, 11.8899,
0.1678


 106.8633, 78.5728,
21.3504

 13.5651, 6.6688,
0.0000


 135.7060,
102.7156, 32.3347

 7.8985, 3.2558,
0.0000

 169.3211,
131.3573, 46.5583

 4.0813, 1.2667,
0.0000

 208.0738,
164.8824, 64.4395


 1.7483, 0.1152,
0.0000

 252.3295,


 0.4862, 0.0000,


203.6753, 86.3969


0.0000


 302.4535,
248.1204, 112.8492


 0.0000, 0.0000,
0.0000


 45.3153, 29.2945,
3.6468


 45.3153, 29.2945,
3.6468


 44.5164, 27.8135,
3.0223

 47.2793, 32.7664,
5.7094

 49.8763, 37.0524,
9.3743

 53.1746, 42.2107,
14.9076

 57.2312, 48.2914,
22.5258

 62.0967, 55.3405,
32.4154

67.8166, 63.4004,
44.7417

74.4327, 72.5108,
59.6546

81.9842, 82.7091,
77.2919

90.5074, 94.0309,
97.7813

Harmonies

Analogous

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



55.1139, 29.2945, 14.8266



45.3153, 29.2945, 3.6468



32.2070, 29.2945, 1.1881

Triad

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



45.3153, 29.2945, 3.6468



10.9920, 29.2945, 21.4189



36.0726, 29.2945, 140.4270

Complementary

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



45.3153, 29.2945, 3.6468



33.3505, 37.5749, 100.1017

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.



23.8932, 29.2945, 147.5026



45.3153, 29.2945, 3.6468



11.4861, 29.2945, 58.6868

Square

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



45.3153, 29.2945, 3.6468



13.9449, 29.2945, 5.5814



15.5625, 29.2945, 110.8365



48.8219, 29.2945, 95.3768

Rectangle

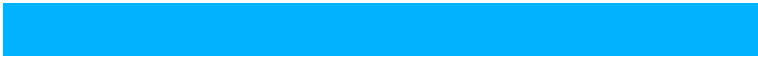
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



45.3153, 29.2945, 3.6468



24.2975, 29.2945, 1.1632



15.5625, 29.2945, 110.8365



31.7189, 29.2945, 148.1275

Sweetspot

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



45.3159, 29.2962, 3.6473



72.2842, 69.5726, 54.7469



49.0562, 24.6168, 42.3814



14.8630, 14.0526, 10.3474



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.



45.3159, 29.2962, 3.6473



44.5169, 27.8138, 3.0223



65.5279, 69.7201, 10.3846



18.5062, 18.9805, 18.8326



23.3833, 14.7778, 1.6200



2.3726, 1.6305, 0.1897

Inverse Universe

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



33.3505, 37.5749, 100.1017



32.3574, 35.8348, 99.8191



19.5044, 9.8826, 95.4863



18.0126, 19.3968, 23.0445



17.0507, 19.0109, 52.2054



1.7609, 2.0525, 5.1166

Previews

White Background



This preview shows how the XYZ color 45.3153, 29.2945, 3.6468 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 45.3153, 29.2945, 3.6468 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 45.3153, 29.2945, 3.6468

Background



This preview shows how black text looks on a background with the XYZ color 45.3153, 29.2945, 3.6468.



This preview shows how white text looks on a background with the XYZ color 45.3153, 29.2945,

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

45.3153, 29.2945, 3.6468

Protanopia

26.5501, 29.3805, 5.5000

Deuteranopia

29.6278, 29.1953, 4.0737



Tritanopia

46.9165, 29.3805, 13.7879

Trichromacy



Original Color

45.3153, 29.2945, 3.6468

Protanomaly

31.1727, 27.5101, 4.5311

Deuteranomaly

33.9743, 28.0258, 3.7625

Tritanomaly

45.9352, 29.1238, 8.2014

Monochromacy



Original Color

45.3153, 29.2945, 3.6468

Achromatopsia

22.2940, 23.4551, 25.5426

Achromatomaly

26.5315, 23.2620, 12.5429

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.3153, 29.2945, 3.6468 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, 94, 13)` looks like.

```
.text, #text, p{  
    color:rgb(255, 94, 13)  
}
```

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, 94, 13) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 94, 13) }
```

Border

The CSS property to change the border of an element to XYZ 45.3153, 29.2945, 3.6468 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, 94, 13) }
```


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

```
.border{ border-color:rgb(255, 94, 13) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 94, 13)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 94, 13); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 94, 13);  
box-shadow:4px 4px 4px 4px rgb(255, 94,  
13) }
```

Background

The CSS property to change the background color of an element to XYZ 45.3153, 29.2945, 3.6468 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 94, 13) }
```

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

```
.background{ background-color: rgb(255, 94,  
13) }
```

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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