

Converting Colors

XYZ(45.6418, 32.8426, 5.2643)

Have a look what the booklet for
XYZ(45.6418, 32.8426, 5.2643)
contains.

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Color

**XYZ(45.5596, 32.7294,
5.2125)**

Conversions

Conversions Part 1

Format	Color
Hex	F9741F
RGB	249, 116, 31
RGB Percent	98%, 45%, 12%
CMY	0.0235, 0.5451, 0.8784
CMYK	0.00, 0.53, 0.88, 0.02
HSL	23°, 95%, 55%
HSV	23°, 88%, 98%
XYZ	45.5596, 32.7294, 5.2125
YIQ	146.0770, 106.5530, 1.7610

Conversions

Conversions Part 2

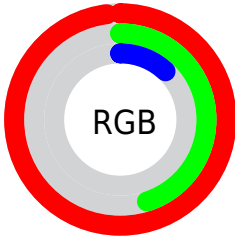
Format	Color
R_{YB}	249, 170, 31
Decimal	16348191
CIE _{Lab}	63.94, 46.73, 65.21
CIE _{LCh}	64, 80.226, 54.373
Yxy	32.7294, 0.5456, 0.3920
Android (android.graphics.Color)	4294538271 (0xFFFF9741F)
YUV	146.0770, -56.7330, 90.2635
Hunter-Lab	57.2096, 42.0339, 34.6447

Details

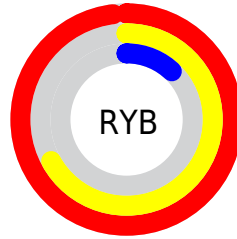
The XYZ color **45.5596, 32.7294, 5.2125** is a dark color, and the websafe version is hex **FF6600**. The color can be described as dark washed orange. A complement of this color would be **30.9384, 33.6798, 94.4920**, and the grayscale version is **27.5492, 28.9839, 31.5635**.

A 20% lighter version of the original color is **57.2944, 50.6813, 15.5668**, and **21.7851, 13.8693, 1.5288** is the 20% darker color. If you saturate the color by 10%, you get **43.7360, 29.4250, 3.5497**, and if you desaturate by 10%, it is **47.9211, 36.7102, 8.2891**.

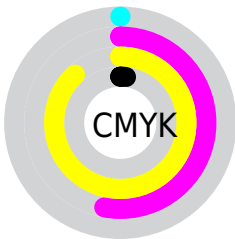
Distribution



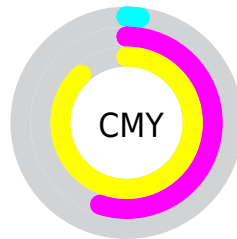
- Red (98%)
- Green (45%)
- Blue (12%)



- Red (98%)
- Yellow (67%)
- Blue (12%)



- Cyan (0%)
- Magenta (53%)
- Yellow (88%)
- Black (2%)





- Cyan (2%)
- Magenta (55%)
- Yellow (88%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 45.5596, 32.7294, 5.2125 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 45.5596, 32.7294, 5.2125 by changing the saturation by 10% instead.


 45.5596, 32.7294,
5.2125


 45.5596, 32.7294,
5.2125


359.7809,
314.4286, 160.8756


 32.1016, 21.9192,
2.3116


 82.7914, 63.9528,
16.7216

 21.5950, 13.7976,
0.7377


 107.2959, 85.1349,
26.1668

 13.6746, 7.9800,
0.0000


 136.2133,
110.5430, 38.6305

 7.9749, 4.0822,
0.0000

 169.9090,
140.5616, 54.5313

 4.1305, 1.7196,
0.0000

 208.7482,
175.5751, 74.2876

 1.7762, 0.4363,
0.0000

 253.0964,

 0.5033, 0.0000,

215.9678, 98.3181

0.0000

303.3188,
262.1242, 127.0412

■ 0.0000, 0.0000,
0.0000

■ 45.5596, 32.7294,
5.2125

■ 45.5596, 32.7294,
5.2125

■ 43.7360, 29.4250,
3.5497

■ 47.9211, 36.7102,
8.2891

■ 43.3500, 28.7064,
3.2561

■ 50.8834, 41.4087,
13.0569

■ 54.4992, 46.8669,
19.7288

■ 58.8133, 53.1212,
28.4857

■ 63.8664, 60.2051,
39.4871

69.6955, 68.1503,
52.8767

76.3348, 76.9863,
68.7862

83.8166, 86.7412,
87.3376

92.1544, 97.4352,
108.5576

Harmonies

Analogous

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



55.3945, 32.7294, 15.6313



45.5596, 32.7294, 5.2125



33.2880, 32.7294, 2.6543

Triad

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



45.5596, 32.7294, 5.2125



14.1079, 32.7294, 29.8763



40.9641, 32.7294, 127.6837

Complementary

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



45.5596, 32.7294, 5.2125



30.9384, 33.6798, 94.4920

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.



29.0259, 32.7294, 140.3648



45.5596, 32.7294, 5.2125



15.2170, 32.7294, 67.9787

Square

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



45.5596, 32.7294, 5.2125



16.5784, 32.7294, 10.2893



20.0902, 32.7294, 113.9221



52.3229, 32.7294, 85.5653

Rectangle

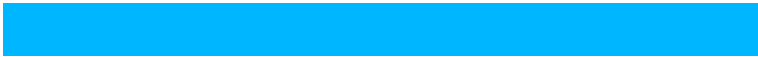
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



45.5596, 32.7294, 5.2125



26.0204, 32.7294, 2.9568



20.0902, 32.7294, 113.9221



36.8196, 32.7294, 136.2953

Sweetspot

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



45.5603, 32.7312, 5.2130



74.5795, 73.2946, 58.1901



46.3878, 23.8522, 37.9639



15.4763, 15.0324, 11.3129



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.



45.5603, 32.7312, 5.2130



45.7431, 30.2662, 3.4310



65.8532, 73.3170, 11.9773



17.7997, 18.3352, 18.0633



23.3328, 15.6223, 1.7856



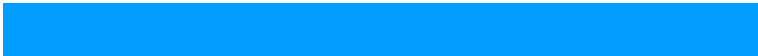
2.2606, 1.6461, 0.1986

Inverse Universe

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



30.9384, 33.6798, 94.4920



29.8658, 30.8515, 98.9886



19.0994, 10.0017, 90.5457



17.1644, 18.4057, 22.0333



15.2971, 15.9497, 50.2459



1.5198, 1.6832, 4.6880

Previews

White Background



This preview shows how the XYZ color 45.5596, 32.7294, 5.2125 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 45.5596, 32.7294, 5.2125 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 ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 45.5596, 32.7294, 5.2125

Background



This preview shows how black text looks on a background with the XYZ color 45.5596, 32.7294, 5.2125.



This preview shows how white text looks on a background with the XYZ color 45.5596, 32.7294,

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

45.5596, 32.7294, 5.2125

Protanopia

29.7443, 32.9357, 6.8874

Deuteranopia

33.1987, 32.6032, 4.5433



Tritanopia

48.6598, 32.6815, 20.2665

Trichromacy



Original Color

45.5596, 32.7294, 5.2125

Protanomaly

33.9462, 31.6008, 6.0607

Deuteranomaly

36.8889, 32.0796, 4.5643

Tritanomaly

47.1078, 32.5340, 12.3912

Monochromacy



Original Color

45.5596, 32.7294, 5.2125

Achromatopsia

27.3213, 28.7441, 31.3023

Achromatomaly

30.6911, 28.3947, 16.9598

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.5596, 32.7294, 5.2125 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(249, 116, 31)` looks like.

```
.text, #text, p{  
    color:rgb(249, 116, 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(249, 116, 31) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(249, 116, 31) }
```

Border

The CSS property to change the border of an element to XYZ 45.5596, 32.7294, 5.2125 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(249, 116, 31) }
```


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

```
.border{ border-color:rgb(249, 116, 31) }
```

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

Here you see how a box with a 4 pixel `rgb(249, 116, 31)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(249, 116, 31); -webkit-box-  
shadow:4px 4px 4px 4px rgb(249, 116, 31);  
box-shadow:4px 4px 4px 4px rgb(249, 116,  
31) }
```

Background

The CSS property to change the background color of an element to XYZ 45.5596, 32.7294, 5.2125 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(249, 116, 31) }
```

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

```
.background{ background-color: rgb(249,  
116, 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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