

Converting Colors

XYZ(45.8165, 30.4131, 3.4555)

Have a look what the booklet for
XYZ(45.8165, 30.4131, 3.4555)
contains.

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Color

**XYZ(45.7972, 30.3743,
3.4491)**

Conversions

Conversions Part 1

Format	Color
Hex	FF6400
RGB	255, 100, 0
RGB Percent	100%, 39%, 0%
CMY	0.0000, 0.6078, 1.0000
CMYK	0.00, 0.61, 1.00, 0.00
HSL	24°, 100%, 50%
HSV	24°, 100%, 100%
XYZ	45.7972, 30.3743, 3.4491
YIQ	134.9450, 124.4800, 1.7600

Conversions

Conversions Part 2

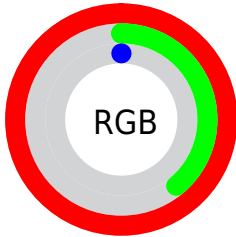
Format	Color
R_{YB}	255, 165, 0
Decimal	16737280
CIE _{Lab}	61.98, 55.88, 71.16
CIE _{LCh}	62, 90.480, 51.857
Yxy	30.3743, 0.5752, 0.3815
Android (android.graphics.Color)	4294927360 (0xFFFF6400)
YUV	134.9450, -66.5279, 105.2882
Hunter-Lab	55.1129, 51.8807, 34.8685

Details

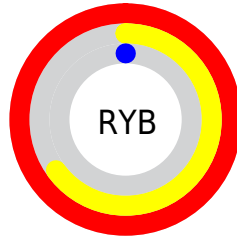
The XYZ color **45.7972, 30.3743, 3.4491** is a dark color, and the websafe version is hex **FF6600**. The color can be described as dark saturated orange. A complement of this color would be **29.7709, 30.6619, 98.9563**, and the grayscale version is **23.2170, 24.4261, 26.6001**.

A 20% lighter version of the original color is **54.0047, 45.1200, 11.3315**, and **22.0632, 12.6031, 1.2698** is the 20% darker color. If you saturate the color by 10%, you get **45.7973, 30.3751, 3.4492**, and if you desaturate by 10%, it is **47.6097, 33.7101, 4.9461**.

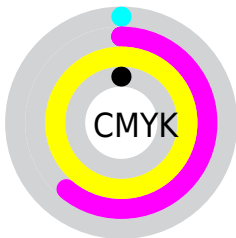
Distribution



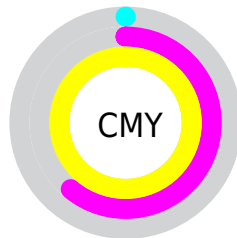
- Red (100%)
- Green (39%)
- Blue (0%)



- Red (100%)
- Yellow (65%)
- Blue (0%)



- Cyan (0%)
- Magenta (61%)
- Yellow (100%)
- Black (0%)





- Cyan (0%)
- Magenta (61%)
- Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 45.7972, 30.3743, 3.4491 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 45.7972, 30.3743, 3.4491 by changing the saturation by 10% instead.


 45.7972, 30.3743,
3.4491


 45.7972, 30.3743,
3.4491


360.7223,
303.6453, 141.8898


 32.2898, 20.1229,
1.3283


 83.1451, 60.2536,
12.7179

 21.7395, 12.4844,
0.0848


 107.7163, 80.6503,
20.7029


 13.7812, 7.0745,
0.0000


 136.7062,
105.1975, 31.4797

 8.0493, 3.5087,
0.0000

 170.4800,
134.2796, 45.4668

 4.1786, 1.4027,
0.0000

 209.4032,
168.2810, 63.0829


 1.8037, 0.2187,
0.0000


 253.8411,


 0.5199, 0.0000,


207.5862, 84.7464


0.0000


 304.1590,
252.5795, 110.8758


 0.0000, 0.0000,
0.0000


 45.7972, 30.3743,
3.4491

 45.7972, 30.3743,
3.4491


 45.7973, 30.3751,
3.4492

 47.6097, 33.7101,
4.9461

 49.9549, 37.7338,
7.7833

 52.9193, 42.5035,
12.3453

 56.5600, 48.0626,
18.8684

 60.9261, 54.4503,
27.5514

66.0615, 61.7027,
38.5683

72.0061, 69.8534,
52.0751

78.7968, 78.9340,
68.2142

86.4680, 88.9743,
87.1171

Harmonies

Analogous

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



56.3663, 30.3743, 13.9217



45.7972, 30.3743, 3.4491



32.3000, 30.3743, 1.2298

Triad

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



45.7972, 30.3743, 3.4491



11.3938, 30.3743, 24.4870



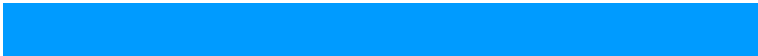
38.4489, 30.3743, 141.8169

Complementary

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



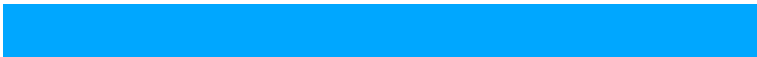
45.7972, 30.3743, 3.4491



29.7709, 30.6619, 98.9563

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.



25.6916, 30.3743, 152.9899



45.7972, 30.3743, 3.4491



12.1867, 30.3743, 64.6801

Square

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



45.7972, 30.3743, 3.4491



14.1413, 30.3743, 6.5985



16.7311, 30.3743, 118.2884



51.3630, 30.3743, 93.8319

Rectangle

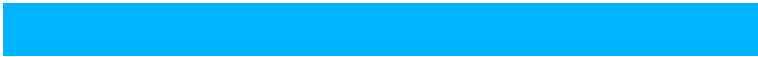
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



45.7972, 30.3743, 3.4491



24.3394, 30.3743, 1.3155



16.7311, 30.3743, 118.2884



33.9302, 30.3743, 150.9133

Sweetspot

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



45.7979, 30.3761, 3.4496



72.0045, 69.8512, 52.0707



47.3472, 23.7030, 34.0911



14.8538, 14.1916, 9.8594



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.



45.7979, 30.3761, 3.4496



45.7976, 30.3753, 3.4492



68.2327, 75.2457, 10.9279



18.5937, 19.1555, 18.8617



24.0651, 16.1415, 1.8472



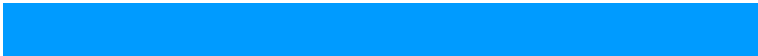
2.4458, 1.7769, 0.2141

Inverse Universe

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



29.7709, 30.6619, 98.9563



29.7705, 30.6610, 98.9568



18.5081, 8.1363, 95.2021



17.9219, 19.2154, 23.0143



15.7053, 16.3202, 51.7569



1.6356, 1.8019, 5.0749

Previews

White Background



This preview shows how the XYZ color 45.7972, 30.3743, 3.4491 looks on a white background.

Color Contrast Check

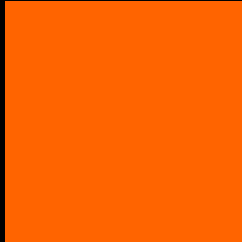
Large Text (above 18pt) WCAG AA × Fail

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 45.7972, 30.3743, 3.4491 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 45.7972, 30.3743, 3.4491

Background



This preview shows how black text looks on a background with the XYZ color 45.7972, 30.3743, 3.4491.



This preview shows how white text looks on a background with the XYZ color 45.7972, 30.3743,

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

45.7972, 30.3743, 3.4491

Protanopia

27.6043, 30.6384, 5.3786

Deuteranopia

31.0577, 30.5921, 4.2679



Tritanopia

47.6325, 30.3645, 15.4070

Trichromacy



Original Color

45.7972, 30.3743, 3.4491

Protanomaly

32.1642, 28.8193, 4.3577

Deuteranomaly

35.3209, 29.4749, 3.8276

Tritanomaly

46.4401, 30.1796, 8.2281

Monochromacy



Original Color

45.7972, 30.3743, 3.4491

Achromatopsia

23.0288, 24.2281, 26.3844

Achromatomaly

27.2297, 24.1747, 12.0351

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.7972, 30.3743, 3.4491 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, 100, 0)` looks like.

```
.text, #text, p{  
    color:rgb(255, 100, 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, 100, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 100, 0) }
```

Border

The CSS property to change the border of an element to XYZ 45.7972, 30.3743, 3.4491 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, 100, 0) }
```


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

```
.border{ border-color:rgb(255, 100, 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, 100, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 100, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 100, 0);  
box-shadow:4px 4px 4px 4px rgb(255, 100,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 45.7972, 30.3743, 3.4491 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 100, 0) }
```

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

```
.background{ background-color: rgb(255,  
100, 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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