

Converting Colors

XYZ(51.0749, 45.8320, 6.1545)

Have a look what the booklet for
XYZ(51.0749, 45.8320, 6.1545)
contains.

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Color

**XYZ(51.1032, 45.7872,
6.1444)**

Conversions

Conversions Part 1

Format	Color
Hex	F6A300
RGB	246, 163, 0
RGB Percent	96%, 64%, 0%
CMY	0.0353, 0.3608, 0.9999
CMYK	0.00, 0.34, 1.00, 0.04
HSL	40°, 100%, 48%
HSV	40°, 100%, 96%
XYZ	51.1032, 45.7872, 6.1444
YIQ	169.2350, 101.7910, -33.0970

Conversions

Conversions Part 2

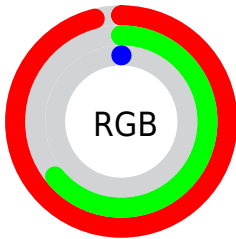
Format	Color
R _Y B	125, 246, 0
Decimal	16163584
CIE Lab	73.41, 21.20, 77.44
CIE LCh	73, 80.286, 74.690
Yxy	45.7872, 0.4960, 0.4444
Android (android.graphics.Color)	4294353664 (0xFF6A300)
YUV	169.2350, -83.4329, 67.3229
Hunter-Lab	67.6662, 16.3916, 41.9826

Details

The XYZ color **51.1032, 45.7872, 6.1444** is a dark color, and the websafe version is hex **FF9900**. The color can be described as middle saturated orange. A complement of this color would be **19.7285, 12.8416, 88.6269**, and the grayscale version is **38.1958, 40.1850, 43.7615**.

A 20% lighter version of the original color is **67.7227, 71.9673, 17.7188**, and **25.2129, 21.4362, 2.8087** is the 20% darker color. If you saturate the color by 10%, you get **51.1032, 45.7876, 6.1445**, and if you desaturate by 10%, it is **52.7980, 48.9030, 7.5546**.

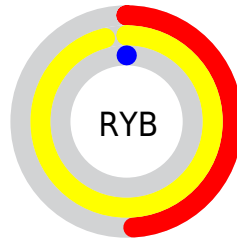
Distribution



Red (96%)

Green (64%)

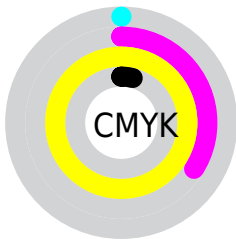
Blue (0%)



Red (49%)

Yellow (96%)

Blue (0%)

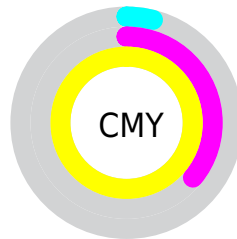


Cyan (0%)

Magenta (34%)

Yellow (100%)

Black (4%)



Cyan (4%)


Magenta (36%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 51.1032, 45.7872, 6.1444 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 51.1032, 45.7872, 6.1444 by changing the saturation by 10% instead.


 51.1032, 45.7872,
6.1444


 51.1032, 45.7872,
6.1444


381.3457,
369.9525, 169.7037

 36.5121, 32.0779,
2.8629


 90.9894, 83.9004,
18.7127

 25.0019, 21.4210,
1.0251


 117.0152,
109.0732, 28.8366

 16.2072, 13.4321,
0.0000


 147.5833,
138.8359, 42.0783

 9.7627, 7.7268,
0.0000

 183.0591,
173.5729, 58.8564

 5.3029, 3.9206,
0.0000

 223.8078,
213.6687, 79.5894

 2.4627, 1.6293,
0.0000

 270.1949,

 0.8765, 0.3772,

259.5076, 104.6960

0.0000

322.5858,
311.4741, 134.5945

■ 0.0000, 0.0000,
0.0000

■ 51.1032, 45.7872,
6.1444

■ 51.1032, 45.7872,
6.1444

■ 51.1032, 45.7876,
6.1445

■ 52.7980, 48.9030,
7.5546

■ 54.8066, 52.3001,
10.1360

■ 57.1987, 56.0110,
14.2426

■ 60.0164, 60.0552,
20.0871

■ 63.2951, 64.4496,
27.8480

■ 67.0659, 69.2093,
37.6817

■ 71.3570, 74.3480,
49.7280

■ 76.1941, 79.8784,
64.1147

■ 81.6009, 85.8125,
80.9597

Harmonies

Analogous

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



65.8612, 45.7872, 12.6876



51.1032, 45.7872, 6.1444



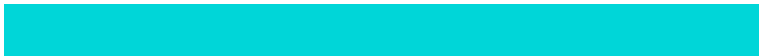
36.9796, 45.7872, 6.0906

Triad

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



51.1032, 45.7872, 6.1444



22.1550, 45.7872, 72.3331



65.5877, 45.7872, 128.2685

Complementary

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



51.1032, 45.7872, 6.1444



19.7285, 12.8416, 88.6269

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.



50.7879, 45.7872, 169.5426



51.1032, 45.7872, 6.1444



26.9053, 45.7872, 127.1544

Square

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



51.1032, 45.7872, 6.1444



22.2035, 45.7872, 31.9857



36.7256, 45.7872, 169.0505



75.3782, 45.7872, 73.3800

Rectangle

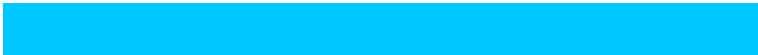
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



51.1032, 45.7872, 6.1444



29.8019, 45.7872, 9.3181



36.7256, 45.7872, 169.0505



60.9078, 45.7872, 145.2494

Sweetspot

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



51.1042, 45.7896, 6.1452



77.3980, 80.6381, 53.8686



39.6900, 20.2667, 10.6473



16.1306, 16.7450, 10.2850



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.



51.1042, 45.7896, 6.1452



55.4216, 49.6232, 6.6572



59.2788, 79.4811, 12.2175



17.4163, 18.3167, 17.4151



27.4120, 24.7096, 3.3247



2.5040, 2.3611, 0.3238

Inverse Universe

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



19.7285, 12.8416, 88.6269



21.3805, 13.8811, 96.1602



17.3944, 7.0458, 87.6312



16.0381, 16.8404, 20.9478



10.6456, 7.0850, 47.3445



1.0268, 0.8050, 4.1915

Previews

White Background



This preview shows how the XYZ color 51.1032, 45.7872, 6.1444 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 51.1032, 45.7872, 6.1444 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 51.1032, 45.7872, 6.1444

Background



This preview shows how black text looks on a background with the XYZ color 51.1032, 45.7872, 6.1444.



This preview shows how white text looks on a background with the XYZ color 51.1032, 45.7872,

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

51.1032, 45.7872, 6.1444

Protanopia

41.5269, 45.9256, 7.2061

Deuteranopia

46.5578, 45.6198, 6.3516



Tritanopia

58.3471, 45.9835, 40.4508

Trichromacy



Original Color

51.1032, 45.7872, 6.1444

Protanomaly

44.4099, 45.3563, 6.7306

Deuteranomaly

48.2636, 45.6674, 6.2709

Tritanomaly

53.8115, 45.1004, 18.9658

Monochromacy



Original Color

51.1032, 45.7872, 6.1444

Achromatopsia

37.7116, 39.6755, 43.2066

Achromatomaly

39.5514, 40.5905, 19.9375

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.1032, 45.7872, 6.1444 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(246, 163, 0)` looks like.

```
.text, #text, p{  
    color:rgb(246, 163, 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(246, 163, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(246, 163, 0) }
```

Border

The CSS property to change the border of an element to XYZ 51.1032, 45.7872, 6.1444 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(246, 163, 0) }
```


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

```
.border{ border-color:rgb(246, 163, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(246, 163, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(246, 163, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(246, 163, 0);  
box-shadow:4px 4px 4px 4px rgb(246, 163,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 51.1032, 45.7872, 6.1444 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(246, 163, 0) }
```

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

```
.background{ background-color: rgb(246,  
163, 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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