

Converting Colors

XYZ(51.4565, 47.1167, 6.3824)

Have a look what the booklet for
XYZ(51.4565, 47.1167, 6.3824)
contains.

XYZ(51.4749, 47.0499, 6.3685)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(51.4749, 47.0499,
6.3685)**

Conversions

Conversions Part 1

Format	Color
Hex	F5A700
RGB	245, 167, 0
RGB Percent	96%, 65%, 0%
CMY	0.0392, 0.3451, 0.9999
CMYK	0.00, 0.32, 1.00, 0.04
HSL	41°, 100%, 48%
HSV	41°, 100%, 96%
XYZ	51.4749, 47.0499, 6.3685
YIQ	171.2840, 100.0950, -35.4010

Conversions

Conversions Part 2

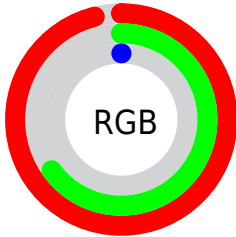
Format	Color
R_{YB}	114, 245, 0
Decimal	16099072
CIE Lab	74.22, 18.67, 77.92
CIE LCh	74, 80.126, 76.525
Yxy	47.0499, 0.4907, 0.4486
Android (android.graphics.Color)	4294289152 (0xFF5A700)
YUV	171.2840, -84.4430, 64.6489
Hunter-Lab	68.5929, 13.9160, 42.5103

Details

The XYZ color **51.4749, 47.0499, 6.3685** 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 **19.2064, 12.0425, 87.6976**, and the grayscale version is **39.2301, 41.2732, 44.9465**.

A 20% lighter version of the original color is **68.7726, 74.0671, 18.0688**, and **25.6592, 22.3287, 2.9575** is the 20% darker color. If you saturate the color by 10%, you get **51.4749, 47.0504, 6.3686**, and if you desaturate by 10%, it is **53.1185, 50.0651, 7.7564**.

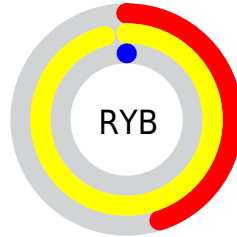
Distribution



Red (96%)

Green (65%)

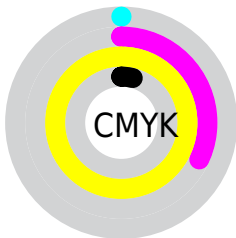
Blue (0%)



Red (45%)

Yellow (96%)

Blue (0%)

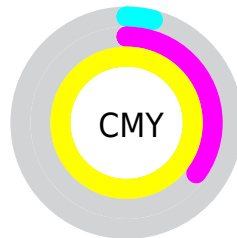


Cyan (0%)

Magenta (32%)

Yellow (100%)

Black (4%)



Cyan (4%)


Magenta (35%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 51.4749, 47.0499, 6.3685 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 51.4749, 47.0499, 6.3685 by changing the saturation by 10% instead.


 51.4749, 47.0499,
6.3685

 51.4749, 47.0499,
6.3685


382.7634,
375.0137, 171.7349

 36.8093, 33.0751,
2.9980


 91.5352, 85.7881,
19.1818

 25.2329, 22.1840,
1.0936


 117.6606,
111.3203, 29.4617


 16.3803, 13.9922,
0.0000


 148.3366,
141.4738, 42.8819

 9.8862, 8.1152,
0.0000

 183.9285,
176.6329, 59.8608

 5.3853, 4.1688,
0.0000

 224.8019,
217.1820, 80.8170

 2.5121, 1.7684,
0.0000

 271.3219,

 0.9014, 0.4674,

263.5056, 106.1691

0.0000

323.8539,
315.9880, 136.3355

■ 0.0000, 0.0000,
0.0000

■ 51.4749, 47.0499,
6.3685

■ 51.4749, 47.0499,
6.3685

■ 51.4749, 47.0504,
6.3686

■ 53.1185, 50.0651,
7.7564

■ 55.0630, 53.3390,
10.3008

■ 57.3772, 56.9033,
14.3526

■ 60.1024, 60.7768,
20.1224

■ 63.2734, 64.9755,
27.7869

■ 66.9208, 69.5140,
37.5004

■ 71.0722, 74.4052,
49.4017

■ 75.7528, 79.6614,
63.6171

■ 80.9859, 85.2938,
80.2632

Harmonies

Analogous

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



66.5617, 47.0499, 12.5798



51.4749, 47.0499, 6.3685



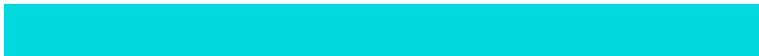
37.3090, 47.0499, 6.6440

Triad

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



51.4749, 47.0499, 6.3685



23.1092, 47.0499, 77.2062



67.9271, 47.0499, 127.2818

Complementary

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



51.4749, 47.0499, 6.3685



19.2064, 12.0425, 87.6976

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.



53.0515, 47.0499, 170.7713



51.4749, 47.0499, 6.3685



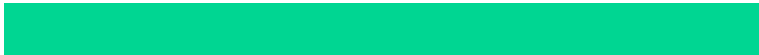
28.2696, 47.0499, 132.8256

Square

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



51.4749, 47.0499, 6.3685



22.8649, 47.0499, 34.9079



38.5826, 47.0499, 173.2163



77.3462, 47.0499, 71.9792

Rectangle

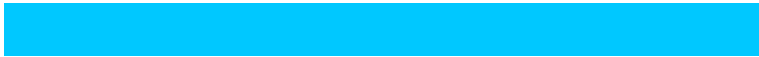
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



51.4749, 47.0499, 6.3685



30.2028, 47.0499, 10.3125



38.5826, 47.0499, 173.2163



63.2711, 47.0499, 144.8116

Sweetspot

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



51.4759, 47.0523, 6.3694



77.8030, 81.4482, 54.0036



39.1668, 20.0169, 9.7177



16.2274, 16.9388, 10.3173



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.



51.4759, 47.0523, 6.3694



56.3411, 51.4622, 6.9637



57.6003, 78.1655, 12.0521



17.4439, 18.3718, 17.4243



27.8611, 25.6077, 3.4743



2.5410, 2.4353, 0.3361

Inverse Universe

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



19.2064, 12.0425, 87.6976



21.0059, 13.1318, 96.0353



17.3898, 7.0611, 86.8319



16.0117, 16.7878, 20.9390



10.4564, 6.7065, 47.2814



1.0077, 0.7669, 4.1851

Previews

White Background



This preview shows how the XYZ color 51.4749, 47.0499, 6.3685 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 51.4749, 47.0499, 6.3685 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 51.4749, 47.0499, 6.3685

Background



This preview shows how black text looks on a background with the XYZ color 51.4749, 47.0499, 6.3685.



This preview shows how white text looks on a background with the XYZ color 51.4749, 47.0499,

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

51.4749, 47.0499, 6.3685

Protanopia

42.4806, 47.0262, 7.3282

Deuteranopia

47.8986, 46.8761, 6.5235



Tritanopia

58.8413, 46.9282, 42.5160

Trichromacy



Original Color

51.4749, 47.0499, 6.3685

Protanomaly

45.2921, 46.6818, 6.9105

Deuteranomaly

49.1550, 46.9587, 6.4732

Tritanomaly

54.0666, 45.9766, 19.6604

Monochromacy



Original Color

51.4749, 47.0499, 6.3685

Achromatopsia

38.7082, 40.7240, 44.3485

Achromatomaly

40.4237, 41.8593, 20.4171

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.4749, 47.0499, 6.3685 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(245, 167, 0)` looks like.

```
.text, #text, p{  
    color:rgb(245, 167, 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(245, 167, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 167, 0) }
```

Border

The CSS property to change the border of an element to XYZ 51.4749, 47.0499, 6.3685 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(245, 167, 0) }
```


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

```
.border{ border-color:rgb(245, 167, 0) }
```

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

Here you see how a box with a 4 pixel rgb(245, 167, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 167, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 167, 0);  
box-shadow:4px 4px 4px 4px rgb(245, 167,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 51.4749, 47.0499, 6.3685 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(245, 167, 0) }
```

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

```
.background{ background-color: rgb(245,  
167, 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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