

Converting Colors

XYZ(51.9513, 46.7062, 7.1457)

Have a look what the booklet for
XYZ(51.9513, 46.7062, 7.1457)
contains.

XYZ(51.9778, 46.7504, 7.1484)	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(51.9778, 46.7504,
7.1484)**

Conversions

Conversions Part 1

Format	Color
Hex	F7A518
RGB	247, 165, 24
RGB Percent	97%, 65%, 9%
CMY	0.0314, 0.3529, 0.9058
CMYK	0.00, 0.33, 0.90, 0.03
HSL	38°, 93%, 53%
HSV	38°, 90%, 97%
XYZ	51.9778, 46.7504, 7.1484
YIQ	173.4440, 94.1330, -26.4670

Conversions

Conversions Part 2

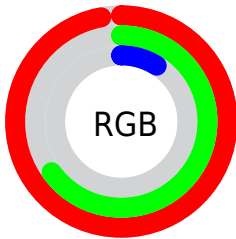
Format	Color
RYB	154, 247, 24
Decimal	16229656
CIELab	74.03, 20.82, 74.54
CIELCh	74, 77.395, 74.394
Yxy	46.7504, 0.4909, 0.4416
Android (android.graphics.Color)	4294419736 (0xFFFF7A518)
YUV	173.4440, -73.6759, 64.5086
Hunter-Lab	68.3743, 16.0399, 41.6633

Details

The XYZ color **51.9778, 46.7504, 7.1484** is a dark color, and the websafe version is hex **FF9900**. The color can be described as middle washed orange. A complement of this color would be **22.3195, 17.2180, 90.1420**, and the grayscale version is **40.2804, 42.3781, 46.1497**.

A 20% lighter version of the original color is **68.5947, 73.1510, 19.7367**, and **25.9127, 22.1245, 2.9047** is the 20% darker color. If you saturate the color by 10%, you get **50.2760, 43.6110, 5.7679**, and if you desaturate by 10%, it is **54.0590, 50.2998, 9.7333**.

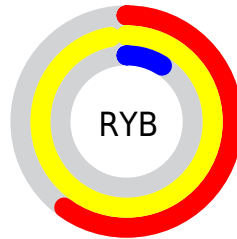
Distribution



Red (97%)

Green (65%)

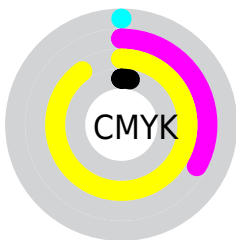
Blue (9%)



Red (60%)

Yellow (97%)

Blue (9%)

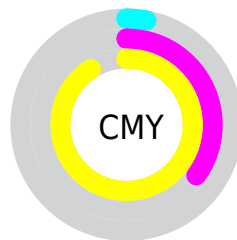


Cyan (0%)

Magenta (33%)

Yellow (90%)

Black (3%)



Cyan (3%)

Magenta (35%)

Yellow (91%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 51.9778, 46.7504, 7.1484 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 51.9778, 46.7504, 7.1484 by changing the saturation by 10% instead.

51.9778, 46.7504,
7.1484

51.9778, 46.7504,
7.1484

384.6763,
373.8173, 178.5686

37.2116, 32.8384,
3.4752

92.2729, 85.3409,
20.7891

25.5458, 22.0027,
1.3421

118.5325,
110.7882, 31.5936

16.6150, 13.8589,
0.0959

149.3540,
140.8494, 45.6124

10.0540, 8.0226,
0.0000

185.1026,
175.9089, 63.2640

5.4973, 4.1094,
0.0000

226.1438,
216.3510, 84.9669

2.5796, 1.7349,
0.0000

272.8429,

0.9356, 0.4461,

262.5602, 111.1395

0.0000

325.5653,
314.9208, 142.2006

■ 0.0000, 0.0000,
0.0000

■ 51.9778, 46.7504,
7.1484

■ 51.9778, 46.7504,
7.1484

■ 50.2760, 43.6110,
5.7679

■ 54.0590, 50.2998,
9.7333

■ 56.5425, 54.1981,
13.8558

■ 59.4725, 58.4684,
19.7333

■ 62.8855, 63.1290,
27.5469

■ 66.8137, 68.1960,
37.4553

■ 71.2859, 73.6845,
49.6003

■ 76.3286, 79.6081,
64.1114

■ 81.9664, 85.9801,
81.1082

■ 88.2223, 92.8126,
100.7021

Harmonies

Analogous

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



66.2679, 46.7504, 14.0560



51.9778, 46.7504, 7.1484



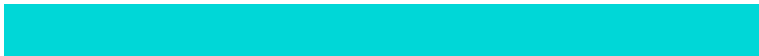
38.1481, 46.7504, 7.0363

Triad

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



51.9778, 46.7504, 7.1484



23.3375, 46.7504, 72.2737



65.7500, 46.7504, 126.9952

Complementary

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



51.9778, 46.7504, 7.1484



22.3195, 17.2180, 90.1420

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.



51.3769, 46.7504, 166.0060



51.9778, 46.7504, 7.1484



28.0164, 46.7504, 124.9111

Square

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



51.9778, 46.7504, 7.1484



23.4324, 46.7504, 33.0442



37.6594, 46.7504, 165.0907



75.2745, 46.7504, 74.2574

Rectangle

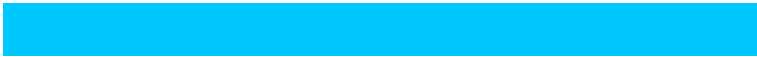
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



51.9778, 46.7504, 7.1484



31.0452, 46.7504, 10.3785



37.6594, 46.7504, 165.0907



61.2083, 46.7504, 143.1282

Sweetspot

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



51.9788, 46.7528, 7.1493



78.3279, 81.2296, 58.0886



41.4710, 21.5423, 16.5786



16.3844, 16.9323, 11.3574



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.



51.9788, 46.7528, 7.1493



54.0265, 46.8330, 6.1922



63.2393, 81.9566, 13.3508



17.3726, 18.2293, 17.4005



26.7298, 23.3451, 3.0972



2.4472, 2.2476, 0.3048

Inverse Universe

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



22.3195, 17.2180, 90.1420



22.0316, 15.1831, 96.3772



18.4318, 8.0477, 88.5769



16.0801, 16.9245, 20.9618



10.9731, 7.7400, 47.4536



1.0590, 0.8695, 4.2022

Previews

White Background



This preview shows how the XYZ color 51.9778, 46.7504, 7.1484 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 51.9778, 46.7504, 7.1484 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 51.9778, 46.7504, 7.1484

Background



This preview shows how black text looks on a background with the XYZ color 51.9778, 46.7504, 7.1484.



This preview shows how white text looks on a background with the XYZ color 51.9778, 46.7504,

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

51.9778, 46.7504, 7.1484

Protanopia

42.3321, 46.9348, 7.9906

Deuteranopia

47.9848, 46.9106, 6.9775



Tritanopia

59.2202, 46.8986, 41.5284

Trichromacy



Original Color

51.9778, 46.7504, 7.1484

Protanomaly

45.2384, 46.3454, 7.5982

Deuteranomaly

49.4090, 46.7976, 7.0010

Tritanomaly

55.0478, 46.1779, 21.9315

Monochromacy



Original Color

51.9778, 46.7504, 7.1484

Achromatopsia

39.7200, 41.7885, 45.5077

Achromatomaly

41.5239, 42.3607, 23.4407

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.9778, 46.7504, 7.1484 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(247, 165, 24)` looks like.

```
.text, #text, p{  
    color:rgb(247, 165, 24)  
}
```

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(247, 165, 24) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(247, 165, 24) }
```

Border

The CSS property to change the border of an element to XYZ 51.9778, 46.7504, 7.1484 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(247, 165, 24) }
```


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

```
.border{ border-color:rgb(247, 165, 24) }
```

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

Here you see how a box with a 4 pixel `rgb(247, 165, 24)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(247, 165, 24); -webkit-box-  
shadow:4px 4px 4px 4px rgb(247, 165, 24);  
box-shadow:4px 4px 4px 4px rgb(247, 165,  
24) }
```

Background

The CSS property to change the background color of an element to XYZ 51.9778, 46.7504, 7.1484 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(247, 165, 24) }
```

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

```
.background{ background-color: rgb(247,  
165, 24) }
```

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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