

Converting Colors

XYZ(47.8755, 40.4751, 8.0120)

Have a look what the booklet for
XYZ(47.8755, 40.4751, 8.0120)
contains.

XYZ(47.8785, 40.5774, 7.9981)	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(47.8785, 40.5774,
7.9981)**

Conversions

Conversions Part 1

Format	Color
Hex	F2952F
RGB	242, 149, 47
RGB Percent	95%, 58%, 18%
CMY	0.0510, 0.4157, 0.8157
CMYK	0.00, 0.38, 0.81, 0.05
HSL	31°, 88%, 57%
HSV	31°, 81%, 95%
XYZ	47.8785, 40.5774, 7.9981
YIQ	165.1790, 88.1700, -12.0060

Conversions

Conversions Part 2

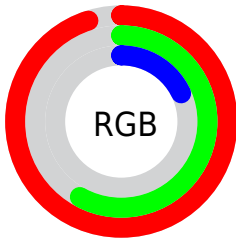
Format	Color
R _Y B	225, 242, 47
Decimal	15897903
CIE Lab	69.88, 27.67, 64.31
CIE LCh	70, 70.006, 66.720
Yxy	40.5774, 0.4964, 0.4207
Android (android.graphics.Color)	4294087983 (0xFFFF2952F)
YUV	165.1790, -58.2622, 67.3720
Hunter-Lab	63.7004, 22.6885, 37.1459

Details

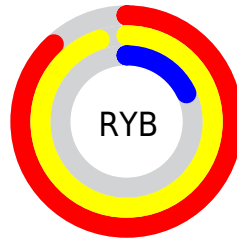
The XYZ color **47.8785, 40.5774, 7.9981** is a dark color, and the websafe version is hex **FF9933**. The color can be described as middle washed orange. A complement of this color would be **26.5768, 25.7702, 87.5771**, and the grayscale version is **36.0927, 37.9723, 41.3519**.

A 20% lighter version of the original color is **64.9449, 64.9115, 21.4181**, and **23.1901, 18.4387, 2.3368** is the 20% darker color. If you saturate the color by 10%, you get **45.7825, 36.9624, 5.5218**, and if you desaturate by 10%, it is **50.4276, 44.6667, 11.9593**.

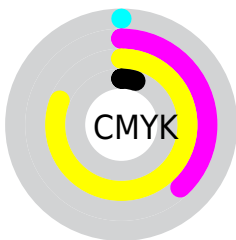
Distribution



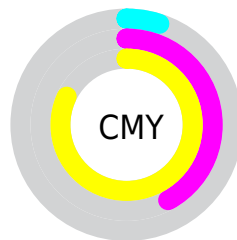
- Red (95%)
- Green (58%)
- Blue (18%)



- Red (88%)
- Yellow (95%)
- Blue (18%)



- Cyan (0%)
- Magenta (38%)
- Yellow (81%)
- Black (5%)





- Cyan (5%)
- Magenta (42%)
- Yellow (82%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 47.8785, 40.5774, 7.9981 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 47.8785, 40.5774, 7.9981 by changing the saturation by 10% instead.


 47.8785, 40.5774,
7.9981


 47.8785, 40.5774,
7.9981


368.9009,
348.5513, 185.6512


 33.9415, 27.9890,
4.0060


 86.2343, 76.0420,
22.5008

 23.0114, 18.3174,
1.6286


 111.3838, 99.6869,
33.8485


 14.7226, 11.1781,
0.3111


 141.0015,
127.7862, 48.4851

 8.7100, 6.1868,
0.0000

 175.4528,
160.7242, 66.8292

 4.6081, 2.9590,
0.0000

 215.1031,
198.8853, 89.2993

 2.0516, 1.1103,
0.0000

 260.3176,

 0.6627, 0.0000,

242.6539, 116.3140

0.0000

311.4618,
292.4145, 148.2918

■ 0.0000, 0.0000,
0.0000

■ 47.8785, 40.5774,
7.9981

■ 47.8785, 40.5774,
7.9981

■ 45.7825, 36.9624,
5.5218

■ 50.4276, 44.6667,
11.9593


■ 44.1544, 33.9505,
4.2259


■ 53.4710, 49.2495,
17.6108


■ 57.0474, 54.3508,
25.1275


■ 61.1900, 59.9913,
34.6613

■ 65.9288, 66.1902,
46.3486

 71.2914, 72.9654,
60.3137

 77.3037, 80.3341,
76.6711

 83.9897, 88.3125,
95.5279

 89.7533, 96.2683,
108.4589

Harmonies

Analogous

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



58.9007, 40.5774, 16.3068



47.8785, 40.5774, 7.9981



36.0634, 40.5774, 6.5943

Triad

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



47.8785, 40.5774, 7.9981



20.6622, 40.5774, 51.9279



53.1859, 40.5774, 115.8569

Complementary

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



47.8785, 40.5774, 7.9981



26.5768, 25.7702, 87.5771

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.



41.1851, 40.5774, 140.2170



47.8785, 40.5774, 7.9981



23.5524, 40.5774, 93.2411

Square

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



47.8785, 40.5774, 7.9981



21.7570, 40.5774, 23.7537



30.5496, 40.5774, 130.3679



62.3619, 40.5774, 73.8668

Rectangle

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



47.8785, 40.5774, 7.9981



29.5419, 40.5774, 8.5176



30.5496, 40.5774, 130.3679



49.2665, 40.5774, 127.1251

Sweetspot

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



47.8794, 40.5795, 7.9988



78.1010, 79.4377, 62.1379



42.4608, 22.8410, 27.4684



16.2565, 16.4208, 12.1032



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.



47.8794, 40.5795, 7.9988



50.2333, 39.1796, 5.1345



67.7771, 82.0162, 14.9482



16.4570, 17.1272, 16.5882



23.8582, 18.5145, 2.3162



2.0844, 1.7394, 0.2259

Inverse Universe

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



26.5768, 25.7702, 87.5771



25.5568, 22.0914, 97.5248



18.3715, 9.1287, 84.7975



15.5191, 16.4723, 20.0831



12.0634, 10.3510, 46.4900



1.1026, 1.0591, 3.9005

Previews

White Background



This preview shows how the XYZ color 47.8785, 40.5774, 7.9981 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 47.8785, 40.5774, 7.9981 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 47.8785, 40.5774, 7.9981

Background



This preview shows how black text looks on a background with the XYZ color 47.8785, 40.5774, 7.9981.



This preview shows how white text looks on a background with the XYZ color 47.8785, 40.5774,

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

47.8785, 40.5774, 7.9981

Protanopia

37.1334, 40.9686, 9.3187

Deuteranopia

41.3449, 40.4478, 7.7259



Tritanopia

53.0152, 40.4093, 33.4393

Trichromacy



Original Color

47.8785, 40.5774, 7.9981

Protanomaly

40.4513, 40.4916, 8.8156

Deuteranomaly

43.5444, 40.2959, 7.7684

Tritanomaly

50.4033, 40.2273, 20.4373

Monochromacy



Original Color

47.8785, 40.5774, 7.9981

Achromatopsia

35.7637, 37.6262, 40.9749

Achromatomaly

37.9033, 37.5389, 23.6604

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.8785, 40.5774, 7.9981 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(242, 149, 47)` looks like.

```
.text, #text, p{  
    color:rgb(242, 149, 47)  
}
```

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(242, 149, 47) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 149, 47) }
```

Border

The CSS property to change the border of an element to XYZ 47.8785, 40.5774, 7.9981 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(242, 149, 47) }
```


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

```
.border{ border-color:rgb(242, 149, 47) }
```

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

Here you see how a box with a 4 pixel `rgb(242, 149, 47)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 149, 47); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 149, 47);  
box-shadow:4px 4px 4px 4px rgb(242, 149,  
47) }
```

Background

The CSS property to change the background color of an element to XYZ 47.8785, 40.5774, 7.9981 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 149, 47) }
```

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

```
.background{ background-color: rgb(242,  
149, 47) }
```

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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