

Converting Colors

XYZ(48.4407, 36.0161, 7.7686)

Have a look what the booklet for
XYZ(48.4407, 36.0161, 7.7686)
contains.

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Color

**XYZ(48.2483, 35.8742,
7.7496)**

Conversions

Conversions Part 1

Format	Color
Hex	FC7E35
RGB	252, 126, 53
RGB Percent	99%, 49%, 21%
CMY	0.0118, 0.5058, 0.7921
CMYK	0.00, 0.50, 0.79, 0.01
HSL	22°, 97%, 60%
HSV	22°, 79%, 99%
XYZ	48.2483, 35.8742, 7.7496
YIQ	155.3520, 98.5290, 4.0090

Conversions

Conversions Part 2

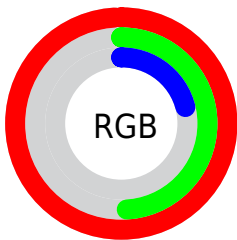
Format	Color
R _Y B	252, 168, 53
Decimal	16547381
CIE Lab	66.42, 43.58, 59.23
CIE LCh	66, 73.534, 53.651
Yxy	35.8742, 0.5252, 0.3905
Android (android.graphics.Color)	4294737461 (0xFFFC7E35)
YUV	155.3520, -50.4595, 84.7603
Hunter-Lab	59.8951, 38.9738, 34.2552

Details

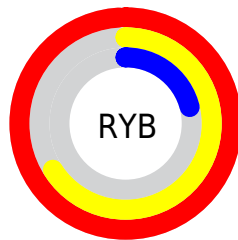
The XYZ color **48.2483, 35.8742, 7.7496** is a dark color, and the websafe version is hex **FF6633**. The color can be described as middle washed orange. A complement of this color would be **35.1575, 40.0225, 97.9668**, and the grayscale version is **31.4992, 33.1396, 36.0890**.

A 20% lighter version of the original color is **60.3137, 55.3277, 20.8650**, and **23.1878, 15.5889, 1.7868** is the 20% darker color. If you saturate the color by 10%, you get **45.9335, 31.9416, 4.8306**, and if you desaturate by 10%, it is **51.1944, 40.5833, 12.3809**.

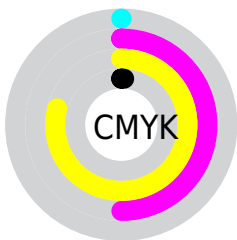
Distribution



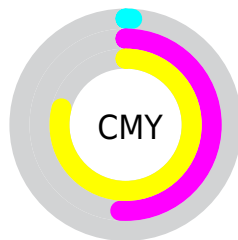
- Red (99%)
- Green (49%)
- Blue (21%)



- Red (99%)
- Yellow (66%)
- Blue (21%)



- Cyan (0%)
- Magenta (50%)
- Yellow (79%)
- Black (1%)





- Cyan (1%)
- Magenta (51%)
- Yellow (79%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.2483, 35.8742, 7.7496 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 48.2483, 35.8742, 7.7496 by changing the saturation by 10% instead.


 48.2483, 35.8742,
7.7496


 48.2483, 35.8742,
7.7496


370.3417,
328.4104, 183.6152


 34.2356, 24.3371,
3.8497


 86.7814, 68.8379,
22.0041


 23.2384, 15.5838,
1.5432


 112.0326, 91.0331,
33.1957


 14.8913, 9.2302,
0.2498


 141.7607,
117.5500, 47.6550

 8.8290, 4.8916,
0.0000

 176.3310,
148.7727, 65.8005

 4.6860, 2.1838,
0.0000

 216.1089,
185.0857, 88.0508

 2.0971, 0.7111,
0.0000

 261.4597,

 0.6876, 0.0000,

226.8733, 114.8243

0.0000

312.7489,
274.5201, 146.5396

■ 0.0000, 0.0000,
0.0000

■ 48.2483, 35.8742,
7.7496

■ 48.2483, 35.8742,
7.7496

■ 45.9335, 31.9416,
4.8306

■ 51.1944, 40.5833,
12.3809

■ 44.1703, 28.7239,
3.2910

■ 54.8258, 46.1084,
18.9482

■ 44.0109, 28.4279,
3.1675

■ 59.1920, 52.4926,
27.6428

■ 64.3369, 59.7740,
38.6320

■ 70.3003, 67.9879,
52.0665

77.1193, 77.1676,
68.0839

84.8285, 87.3447,
86.8113

93.4602, 98.5492,
108.3678

93.9545, 99.4353,
108.8487

Harmonies

Analogous

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



57.4003, 35.8742, 19.4358



48.2483, 35.8742, 7.7496



36.4925, 35.8742, 4.4764

Triad

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



48.2483, 35.8742, 7.7496



17.0868, 35.8742, 32.7324



43.3158, 35.8742, 125.0881

Complementary

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



48.2483, 35.8742, 7.7496



35.1575, 40.0225, 97.9668

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.



31.8094, 35.8742, 135.6288



48.2483, 35.8742, 7.7496



18.1482, 35.8742, 68.7851

Square

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



48.2483, 35.8742, 7.7496



19.7295, 35.8742, 13.0176



23.0252, 35.8742, 111.0793



54.1507, 35.8742, 87.1477

Rectangle

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



48.2483, 35.8742, 7.7496



29.3405, 35.8742, 4.8003



23.0252, 35.8742, 111.0793



39.3424, 35.8742, 132.5767

Sweetspot

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



48.2491, 35.8762, 7.7502



75.5758, 74.3873, 61.2962



49.5578, 26.4977, 45.1682



15.6543, 15.2164, 11.9024



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.



48.2491, 35.8762, 7.7502



46.0256, 30.7175, 3.8756



67.8386, 75.0551, 14.2800



17.7660, 18.2679, 18.0521



23.0541, 15.0649, 1.6927



2.2324, 1.5897, 0.1892

Inverse Universe

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



35.1575, 40.0225, 97.9668



31.8714, 34.6218, 99.6106



21.8736, 13.4546, 93.5388



17.1992, 18.4752, 22.0449



15.8059, 16.9673, 50.4155



1.5650, 1.7736, 4.7030

Previews

White Background



This preview shows how the XYZ color 48.2483, 35.8742, 7.7496 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 48.2483, 35.8742, 7.7496 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 48.2483, 35.8742, 7.7496

Background



This preview shows how black text looks on a background with the XYZ color 48.2483, 35.8742, 7.7496.



This preview shows how white text looks on a background with the XYZ color 48.2483, 35.8742,

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

48.2483, 35.8742, 7.7496

Protanopia

32.8736, 36.0233, 9.9232

Deuteranopia

36.6388, 35.9896, 7.3985



Tritanopia

51.6676, 35.9860, 24.3015

Trichromacy



Original Color

48.2483, 35.8742, 7.7496

Protanomaly

37.2690, 35.0761, 8.9437

Deuteranomaly

40.3051, 35.5239, 7.4218

Tritanomaly

50.1328, 35.9100, 16.3456

Monochromacy



Original Color

48.2483, 35.8742, 7.7496

Achromatopsia

31.1553, 32.7778, 35.6950

Achromatomaly

34.4785, 32.2017, 21.5379

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.2483, 35.8742, 7.7496 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(252, 126, 53)` looks like.

```
.text, #text, p{  
    color:rgb(252, 126, 53)  
}
```

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(252, 126, 53) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(252, 126, 53) }
```

Border

The CSS property to change the border of an element to XYZ 48.2483, 35.8742, 7.7496 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(252, 126, 53) }
```


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

```
.border{ border-color:rgb(252, 126, 53) }
```

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

Here you see how a box with a 4 pixel rgb(252, 126, 53) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(252, 126, 53); -webkit-box-  
shadow:4px 4px 4px 4px rgb(252, 126, 53);  
box-shadow:4px 4px 4px 4px rgb(252, 126,  
53) }
```

Background

The CSS property to change the background color of an element to XYZ 48.2483, 35.8742, 7.7496 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(252, 126, 53) }
```

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

```
.background{ background-color: rgb(252,  
126, 53) }
```

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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