

Converting Colors

XYZ(59.0725, 40.3549, 8.8441)

Have a look what the booklet for
XYZ(59.0725, 40.3549, 8.8441)
contains.

XYZ(48.7459, 35.0087, 8.3258)	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(48.7459, 35.0087,
8.3258)**

Conversions

Conversions Part 1

Format	Color
Hex	FF783B
RGB	255, 120, 59
RGB Percent	100%, 47%, 23%
CMY	0.0000, 0.5294, 0.7686
CMYK	0.00, 0.53, 0.77, 0.00
HSL	19°, 100%, 62%
HSV	19°, 77%, 100%
XYZ	48.7459, 35.0087, 8.3258
YIQ	153.4110, 100.0410, 9.6490

Conversions

Conversions Part 2

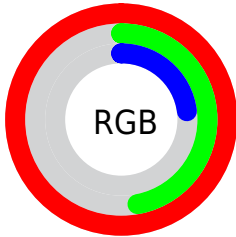
Format	Color
R_{YB}	255, 148, 59
Decimal	16742459
CIE _{Lab}	65.76, 47.83, 56.07
CIE _{LCh}	66, 73.698, 49.534
Yxy	35.0087, 0.5294, 0.3802
Android (android.graphics.Color)	4294932539 (0xFFFF783B)
YUV	153.4110, -46.5446, 89.0936
Hunter-Lab	59.1682, 43.5136, 33.0748

Details

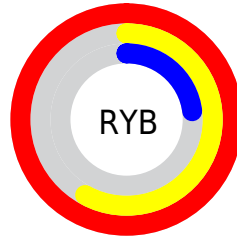
The XYZ color **48.7459, 35.0087, 8.3258** is a dark color, and the websafe version is hex **FF6633**. The color can be described as middle washed orange. A complement of this color would be **39.1437, 46.7300, 101.5638**, and the grayscale version is **30.6249, 32.2198, 35.0873**.

A 20% lighter version of the original color is **59.3844, 53.0457, 21.8608**, and **23.5040, 15.0951, 1.7323** is the 20% darker color. If you saturate the color by 10%, you get **46.3166, 30.9631, 5.0113**, and if you desaturate by 10%, it is **51.8868, 39.9620, 13.4696**.

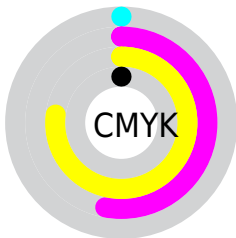
Distribution



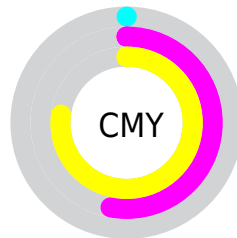
- Red (100%)
- Green (47%)
- Blue (23%)



- Red (100%)
- Yellow (58%)
- Blue (23%)



- Cyan (0%)
- Magenta (53%)
- Yellow (77%)
- Black (0%)





- Cyan (0%)
- Magenta (53%)
- Yellow (77%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.7459, 35.0087, 8.3258 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 48.7459, 35.0087, 8.3258 by changing the saturation by 10% instead.


 48.7459, 35.0087,
8.3258


 48.7459, 35.0087,
8.3258


372.2747,
324.6067, 188.2945

 34.6317, 23.6696,
4.2134


 87.5169, 67.4992,
23.1513


 23.5445, 15.0887,
1.7431


 112.9044, 89.4195,
34.7015


 15.1189, 8.8817,
0.3900


 142.7804,
115.6355, 49.5680

 8.9898, 4.6641,
0.0000

 177.5102,
146.5317, 68.1694

 4.7916, 2.0515,
0.0000

 217.4592,
182.4926, 90.9242

 2.1590, 0.6372,
0.0000

 262.9927,

 0.7210, 0.0000,

223.9024, 118.2510

0.0000

314.4761,
271.1457, 150.5683

■ 0.0000, 0.0000,
0.0000

■ 48.7459, 35.0087,
8.3258

■ 48.7459, 35.0087,
8.3258

■ 46.3166, 30.9631,
5.0113

■ 51.8868, 39.9620,
13.4696

■ 44.5229, 27.7560,
3.2406

■ 55.7979, 45.8730,
20.6658

■ 44.0626, 26.9056,
2.8709

■ 60.5338, 52.7942,
30.1070

■ 66.1426, 60.7725,
41.9630

■ 72.6686, 69.8515,
56.3869

80.1529, 80.0722,
73.5191

88.6341, 91.4735,
93.4898

95.0497, 99.9999,
108.9000

Harmonies

Analogous

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



57.0826, 35.0087, 21.4184



48.7459, 35.0087, 8.3258



37.2130, 35.0087, 4.3719

Triad

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



48.7459, 35.0087, 8.3258



16.6779, 35.0087, 28.2563



40.7546, 35.0087, 126.7924

Complementary

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



48.7459, 35.0087, 8.3258



39.1437, 46.7300, 101.5638

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.



29.6246, 35.0087, 132.3223



48.7459, 35.0087, 8.3258



17.2227, 35.0087, 61.8083

Square

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



48.7459, 35.0087, 8.3258



19.7850, 35.0087, 10.9928



21.4815, 35.0087, 104.0979



51.8186, 35.0087, 91.5779

Rectangle

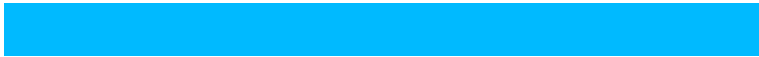
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



48.7459, 35.0087, 8.3258



29.9353, 35.0087, 4.3322



21.4815, 35.0087, 104.0979



36.8537, 35.0087, 132.7100

Sweetspot

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



48.7467, 35.0106, 8.3264



75.4438, 73.6617, 62.6755



52.7904, 28.3826, 55.0400



15.5916, 15.0027, 12.1535



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.



48.7467, 35.0106, 8.3264



45.3214, 29.2150, 3.9310



66.5338, 70.5848, 14.2554



18.4706, 18.9093, 18.8207



23.1401, 14.2914, 1.5389



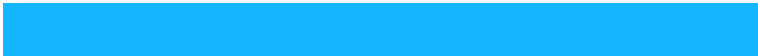
2.3455, 1.5764, 0.1807

Inverse Universe

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



39.1437, 46.7300, 101.5638



35.0701, 40.8197, 100.6383



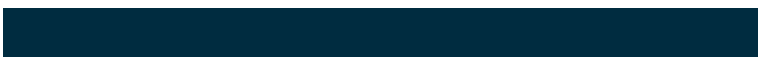
24.2401, 16.9229, 96.5960



18.0499, 19.4714, 23.0570



17.6450, 20.1995, 52.4035



1.8155, 2.1618, 5.1348

Previews

White Background



This preview shows how the XYZ color 48.7459, 35.0087, 8.3258 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 48.7459, 35.0087, 8.3258 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 48.7459, 35.0087, 8.3258

Background



This preview shows how black text looks on a background with the XYZ color 48.7459, 35.0087, 8.3258.



This preview shows how white text looks on a background with the XYZ color 48.7459, 35.0087,

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

48.7459, 35.0087, 8.3258

Protanopia

32.0682, 35.0615, 11.0386

Deuteranopia

35.8914, 35.1043, 7.9017



Tritanopia

50.8836, 34.9266, 22.4720

Trichromacy



Original Color

48.7459, 35.0087, 8.3258

Protanomaly

36.5921, 33.7779, 9.9014

Deuteranomaly

39.8395, 34.3854, 7.9054

Tritanomaly

49.8534, 34.8834, 15.9100

Monochromacy



Original Color

48.7459, 35.0087, 8.3258

Achromatopsia

30.2779, 31.8547, 34.6897

Achromatomaly

34.0899, 31.3288, 21.7031

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.7459, 35.0087, 8.3258 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(255, 120, 59)` looks like.

```
.text, #text, p{  
    color:rgb(255, 120, 59)  
}
```

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(255, 120, 59) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 120, 59) }
```

Border

The CSS property to change the border of an element to XYZ 48.7459, 35.0087, 8.3258 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(255, 120, 59) }
```


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

```
.border{ border-color:rgb(255, 120, 59) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 120, 59)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 120, 59); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 120, 59);  
box-shadow:4px 4px 4px 4px rgb(255, 120,  
59) }
```

Background

The CSS property to change the background color of an element to XYZ 48.7459, 35.0087, 8.3258 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 120, 59) }
```

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

```
.background{ background-color: rgb(255,  
120, 59) }
```

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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