

Converting Colors

XYZ(51.4827, 40.7894, 8.2917)

Have a look what the booklet for
XYZ(51.4827, 40.7894, 8.2917)
contains.

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Color

**XYZ(51.5105, 40.8450,
8.3009)**

Conversions

Conversions Part 1

Format	Color
Hex	FF8E33
RGB	255, 142, 51
RGB Percent	100%, 56%, 20%
CMY	0.0000, 0.4431, 0.8000
CMYK	0.00, 0.44, 0.80, 0.00
HSL	27°, 100%, 60%
HSV	27°, 80%, 100%
XYZ	51.5105, 40.8450, 8.3009
YIQ	165.4130, 96.5590, -4.3450

Conversions

Conversions Part 2

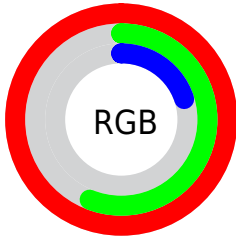
Format	Color
R_{YB}	255, 215, 51
Decimal	16748083
CIE _{Lab}	70.07, 36.67, 63.59
CIE _{LCh}	70, 73.404, 60.027
Yxy	40.8450, 0.5117, 0.4058
Android (android.graphics.Color)	4294938163 (0xFFFF8E33)
YUV	165.4130, -56.4056, 78.5678
Hunter-Lab	63.9101, 32.0254, 37.0362

Details

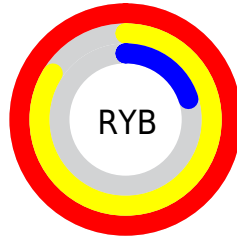
The XYZ color **51.5105, 40.8450, 8.3009** is a dark color, and the websafe version is hex **FF9933**. The color can be described as middle washed orange. A complement of this color would be **32.6896, 34.4726, 99.5379**, and the grayscale version is **36.1941, 38.0790, 41.4681**.

A 20% lighter version of the original color is **63.7049, 62.1920, 21.7433**, and **25.3944, 18.5188, 2.2361** is the 20% darker color. If you saturate the color by 10%, you get **49.1246, 36.7402, 5.4508**, and if you desaturate by 10%, it is **54.4723, 45.6099, 12.8620**.

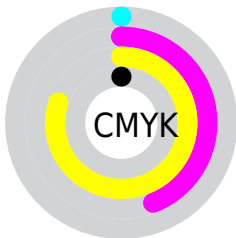
Distribution



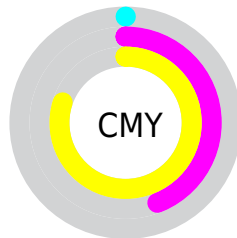
- Red (100%)
- Green (56%)
- Blue (20%)



- Red (100%)
- Yellow (84%)
- Blue (20%)



- Cyan (0%)
- Magenta (44%)
- Yellow (80%)
- Black (0%)





- Cyan (0%)
- Magenta (44%)
- Yellow (80%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 51.5105, 40.8450, 8.3009 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 51.5105, 40.8450, 8.3009 by changing the saturation by 10% instead.


 51.5105, 40.8450,
8.3009


 51.5105, 40.8450,
8.3009


382.8990,
349.6724, 188.0953

 36.8377, 28.1980,
4.1976


 91.5874, 76.4485,
23.1021


 25.2550, 18.4750,
1.7343


 117.7223,
100.1739, 34.6370

 16.3969, 11.2915,
0.3841


 148.4086,
128.3608, 49.4862


 9.8980, 6.2633,
0.0000

 184.0117,
161.3936, 68.0682

 5.3932, 3.0058,
0.0000

 224.8970,
199.6568, 90.8016

 2.5168, 1.1348,
0.0000

 271.4297,

 0.9038, 0.0074,

243.5347, 118.1049

0.0000

323.9752,
293.4118, 150.3966

■ 0.0000, 0.0000,
0.0000

■ 51.5105, 40.8450,
8.3009

■ 51.5105, 40.8450,
8.3009

■ 49.1246, 36.7402,
5.4508

■ 54.4723, 45.6099,
12.8620

■ 47.2299, 33.2403,
3.9268

■ 58.0608, 51.0647,
19.3674

■ 47.2297, 33.2399,
3.9267

■ 62.3228, 57.2444,
28.0153

■ 67.2991, 64.1789,
38.9787

■ 73.0269, 71.8961,
52.4128

79.5404, 80.4224,
68.4589

86.8715, 89.7826,
87.2479

95.0497, 99.9998,
108.9000

Harmonies

Analogous

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



62.3870, 40.8450, 18.9478



51.5105, 40.8450, 8.3009



38.8111, 40.8450, 5.7390

Triad

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



51.5105, 40.8450, 8.3009



20.0363, 40.8450, 44.5043



51.5332, 40.8450, 129.5796

Complementary

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



51.5105, 40.8450, 8.3009



32.6896, 34.4726, 99.5379

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.



38.8328, 40.8450, 148.5018



51.5105, 40.8450, 8.3009



22.0929, 40.8450, 86.3489

Square

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



51.5105, 40.8450, 8.3009



22.0854, 40.8450, 18.9782



28.4096, 40.8450, 129.6429



62.4018, 40.8450, 86.2653

Rectangle

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



51.5105, 40.8450, 8.3009



31.4527, 40.8450, 6.8196



28.4096, 40.8450, 129.6429



47.2607, 40.8450, 139.7635

Sweetspot

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



51.5114, 40.8472, 8.3016



76.8385, 76.9128, 61.7171



49.3618, 26.4030, 38.8606



15.9547, 15.8172, 12.0026



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.



51.5114, 40.8472, 8.3016



47.9414, 34.5733, 4.4394



73.4109, 84.6461, 15.6014



18.6765, 19.3211, 18.8893



24.8224, 17.6561, 2.0997



2.5239, 1.9331, 0.2401

Inverse Universe

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



32.6896, 34.4726, 99.5379



28.4245, 27.7795, 98.4716



21.2828, 11.6589, 95.7356



17.8373, 19.0463, 22.9861



14.5785, 14.0665, 51.3813



1.5285, 1.5877, 5.0392

Previews

White Background



This preview shows how the XYZ color 51.5105, 40.8450, 8.3009 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 51.5105, 40.8450, 8.3009 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 51.5105, 40.8450, 8.3009

Background



This preview shows how black text looks on a background with the XYZ color 51.5105, 40.8450, 8.3009.



This preview shows how white text looks on a background with the XYZ color 51.5105, 40.8450,

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

51.5105, 40.8450, 8.3009

Protanopia

37.2802, 41.0273, 10.0919

Deuteranopia

41.8521, 40.9677, 7.9872



Tritanopia

55.0782, 40.8819, 31.3736

Trichromacy



Original Color

51.5105, 40.8450, 8.3009

Protanomaly

41.4830, 40.2223, 9.3187

Deuteranomaly

44.8476, 40.4629, 8.0312

Tritanomaly

53.1430, 40.5627, 19.7803

Monochromacy



Original Color

51.5105, 40.8450, 8.3009

Achromatopsia

35.7637, 37.6262, 40.9749

Achromatomaly

38.9838, 37.5749, 24.2668

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.5105, 40.8450, 8.3009 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, 142, 51)` looks like.

```
.text, #text, p{  
    color:rgb(255, 142, 51)  
}
```

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, 142, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 142, 51) }
```

Border

The CSS property to change the border of an element to XYZ 51.5105, 40.8450, 8.3009 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, 142, 51) }
```


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

```
.border{ border-color:rgb(255, 142, 51) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 142, 51)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 142, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 142, 51);  
box-shadow:4px 4px 4px 4px rgb(255, 142,  
51) }
```

Background

The CSS property to change the background color of an element to XYZ 51.5105, 40.8450, 8.3009 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 142, 51) }
```

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

```
.background{ background-color: rgb(255,  
142, 51) }
```

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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