

Converting Colors

XYZ(51.8860, 40.7494, 8.4084)

Have a look what the booklet for
XYZ(51.8860, 40.7494, 8.4084)
contains.

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Color

**XYZ(51.3847, 40.5577,
8.3690)**

Conversions

Conversions Part 1

Format	Color
Hex	FF8D34
RGB	255, 141, 52
RGB Percent	100%, 55%, 20%
CMY	0.0000, 0.4470, 0.7961
CMYK	0.00, 0.45, 0.80, 0.00
HSL	26°, 100%, 60%
HSV	26°, 80%, 100%
XYZ	51.3847, 40.5577, 8.3690
YIQ	164.9400, 96.5130, -3.5110

Conversions

Conversions Part 2

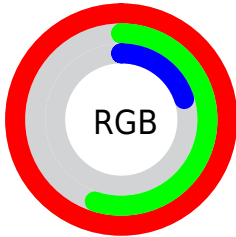
Format	Color
R _Y B	255, 210, 52
Decimal	16747828
CIE Lab	69.86, 37.21, 63.01
CIE LCh	70, 73.176, 59.434
Yxy	40.5577, 0.5123, 0.4043
Android (android.graphics.Color)	4294937908 (0xFFFF8D34)
YUV	164.9400, -55.6794, 78.9826
Hunter-Lab	63.6849, 32.5755, 36.7880

Details

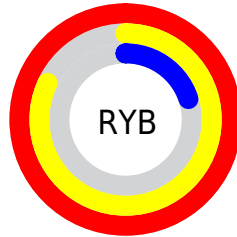
The XYZ color **51.3847, 40.5577, 8.3690** is a dark color, and the websafe version is hex **FF9933**. The color can be described as middle washed orange. A complement of this color would be **33.1014, 35.2205, 99.6606**, and the grayscale version is **35.9629, 37.8358, 41.2031**.

A 20% lighter version of the original color is **63.5297, 61.7598, 21.9371**, and **25.3106, 18.3512, 2.2081** is the 20% darker color. If you saturate the color by 10%, you get **48.9810, 36.4351, 5.4581**, and if you desaturate by 10%, it is **54.3729, 45.3545, 13.0032**.

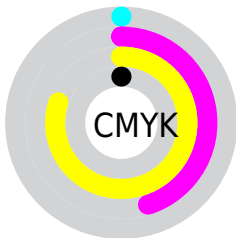
Distribution



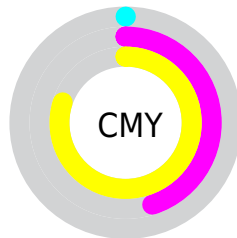
- Red (100%)
- Green (55%)
- Blue (20%)



- Red (100%)
- Yellow (82%)
- Blue (20%)



- Cyan (0%)
- Magenta (45%)
- Yellow (80%)
- Black (0%)





- Cyan (0%)
- Magenta (45%)
- Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 51.3847, 40.5577, 8.3690 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 51.3847, 40.5577, 8.3690 by changing the saturation by 10% instead.


 51.3847, 40.5577,
8.3690


 51.3847, 40.5577,
8.3690


382.4197,
348.4686, 188.6396

 36.7371, 27.9736,
4.2408


 91.4028, 76.0120,
23.2367

 25.1768, 18.3058,
1.7584


 117.5040, 99.6511,
34.8133

 16.3382, 11.1698,
0.4003


 148.1539,
127.7439, 49.7098

 9.8562, 6.1811,
0.0000

 183.7177,
160.6749, 68.3448

 5.3652, 2.9555,
0.0000

 224.5608,
198.8285, 91.1367

 2.5001, 1.1086,
0.0000

 271.0486,

 0.8953, 0.0000,

242.5890, 118.5041

0.0000

323.5464,
292.3409, 150.8656

■ 0.0000, 0.0000,
0.0000

■ 51.3847, 40.5577,
8.3690

■ 51.3847, 40.5577,
8.3690

■ 48.9810, 36.4351,
5.4581

■ 54.3729, 45.3545,
13.0032

■ 47.0802, 32.9320,
3.9039

■ 57.9966, 50.8563,
19.5923

■ 47.0124, 32.8053,
3.8542

■ 62.3025, 57.0984,
28.3335

■ 67.3320, 64.1117,
39.3991

■ 73.1222, 71.9247,
52.9438

■ 79.7077, 80.5643,
69.1087

■ 87.1206, 90.0560,
88.0243

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.



62.0883, 40.5577, 19.1642



51.3847, 40.5577, 8.3690



38.7752, 40.5577, 5.7123

Triad

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



51.3847, 40.5577, 8.3690



19.9074, 40.5577, 43.5167



50.9123, 40.5577, 129.2656

Complementary

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



51.3847, 40.5577, 8.3690



33.1014, 35.2205, 99.6606

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.



38.3234, 40.5577, 147.3375



51.3847, 40.5577, 8.3690



21.8674, 40.5577, 84.7898

Square

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



51.3847, 40.5577, 8.3690



22.0226, 40.5577, 18.5290



28.0512, 40.5577, 127.9463



61.7785, 40.5577, 86.5326

Rectangle

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



51.3847, 40.5577, 8.3690



31.4307, 40.5577, 6.7198



28.0512, 40.5577, 127.9463



46.6679, 40.5577, 139.1700

Sweetspot

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



51.3856, 40.5599, 8.3697



76.7149, 76.6656, 61.6759



49.4460, 26.5074, 39.0862



15.9253, 15.7583, 11.9927



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.



51.3856, 40.5599, 8.3697



47.7196, 34.1297, 4.3655



73.4530, 84.6946, 15.7255



18.6647, 19.2975, 18.8854



24.7078, 17.4269, 2.0615



2.5122, 1.9098, 0.2362

Inverse Universe

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



33.1014, 35.2205, 99.6606



28.7153, 28.3610, 98.5685



21.3874, 11.7926, 95.7559



17.8493, 19.0702, 22.9901



14.7305, 14.3706, 51.4320



1.5431, 1.6169, 5.0440

Previews

White Background



This preview shows how the XYZ color 51.3847, 40.5577, 8.3690 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 51.3847, 40.5577, 8.3690 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 51.3847, 40.5577, 8.3690

Background



This preview shows how black text looks on a background with the XYZ color 51.3847, 40.5577, 8.3690.



This preview shows how white text looks on a background with the XYZ color 51.3847, 40.5577,

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

51.3847, 40.5577, 8.3690

Protanopia

36.8644, 40.5284, 10.1548

Deuteranopia

41.3993, 40.4696, 8.0123



Tritanopia

54.8619, 40.5711, 30.9261

Trichromacy



Original Color

51.3847, 40.5577, 8.3690

Protanomaly

41.0409, 39.7332, 9.3771

Deuteranomaly

44.7018, 40.1394, 8.0810

Tritanomaly

53.0001, 40.2771, 19.7327

Monochromacy



Original Color

51.3847, 40.5577, 8.3690

Achromatopsia

35.7637, 37.6262, 40.9749

Achromatomaly

38.8153, 37.2379, 24.2106

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.3847, 40.5577, 8.3690 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, 141, 52)` looks like.

```
.text, #text, p{  
    color:rgb(255, 141, 52)  
}
```

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, 141, 52) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 141, 52) }
```

Border

The CSS property to change the border of an element to XYZ 51.3847, 40.5577, 8.3690 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, 141, 52) }
```


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

```
.border{ border-color:rgb(255, 141, 52) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 141, 52)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 141, 52); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 141, 52);  
box-shadow:4px 4px 4px 4px rgb(255, 141,  
52) }
```

Background

The CSS property to change the background color of an element to XYZ 51.3847, 40.5577, 8.3690 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 141, 52) }
```

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

```
.background{ background-color: rgb(255,  
141, 52) }
```

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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