

Converting Colors

XYZ(50.9629, 40.1220, 6.9712)

Have a look what the booklet for
XYZ(50.9629, 40.1220, 6.9712)
contains.

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Color

**XYZ(50.9843, 40.1627,
6.9845)**

Conversions

Conversions Part 1

Format	Color
Hex	FF8C27
RGB	255, 140, 39
RGB Percent	100%, 55%, 15%
CMY	0.0000, 0.4509, 0.8470
CMYK	0.00, 0.45, 0.85, 0.00
HSL	28°, 100%, 58%
HSV	28°, 85%, 100%
XYZ	50.9843, 40.1627, 6.9845
YIQ	162.8710, 100.9610, -7.0310

Conversions

Conversions Part 2

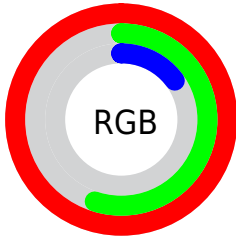
Format	Color
R_{YB}	255, 229, 39
Decimal	16747559
CIE Lab	69.59, 37.36, 67.50
CIE LCh	70, 77.147, 61.038
Yxy	40.1627, 0.5196, 0.4093
Android (android.graphics.Color)	4294937639 (0xFFFF8C27)
YUV	162.8710, -61.0684, 80.7971
Hunter-Lab	63.3740, 32.6983, 37.8274

Details

The XYZ color **50.9843, 40.1627, 6.9845** 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 **30.4415, 30.7610, 98.9400**, and the grayscale version is **34.9990, 36.8217, 40.0988**.

A 20% lighter version of the original color is **62.7755, 61.0984, 19.0742**, and **24.9756, 18.0558, 2.1688** is the 20% darker color. If you saturate the color by 10%, you get **48.8319, 36.3227, 4.8353**, and if you desaturate by 10%, it is **53.6665, 44.6098, 10.7081**.

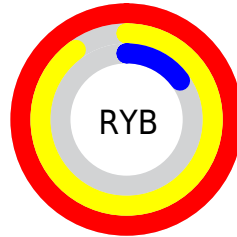
Distribution



Red (100%)

Green (55%)

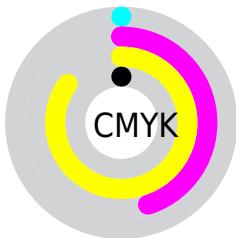
Blue (15%)



Red (100%)

Yellow (90%)

Blue (15%)

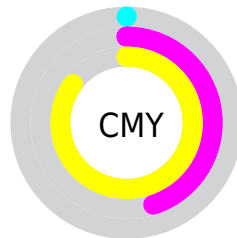


Cyan (0%)

Magenta (45%)

Yellow (85%)

Black (0%)



Cyan (0%)


Magenta (45%)

Yellow (85%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 50.9843, 40.1627, 6.9845 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 50.9843, 40.1627, 6.9845 by changing the saturation by 10% instead.


 50.9843, 40.1627,
6.9845


 50.9843, 40.1627,
6.9845


380.8915,
346.8088, 177.1609


 36.4171, 27.6654,
3.3741


 90.8147, 75.4112,
20.4544

 24.9281, 18.0736,
1.2887


 116.8086, 98.9312,
31.1509

 16.1519, 11.0028,
0.0525


 147.3421,
126.8943, 45.0466

 9.7233, 6.0687,
0.0000

 182.7806,
159.6847, 62.5599

 5.2767, 2.8869,
0.0000

 223.4895,
197.6870, 84.1095

 2.4469, 1.0730,
0.0000

 269.8340,

 0.8686, 0.0000,

241.2856, 110.1138

0.0000

322.1795,
290.8647, 140.9914

■ 0.0000, 0.0000,
0.0000

■ 50.9843, 40.1627,
6.9845

■ 50.9843, 40.1627,
6.9845

■ 48.8319, 36.3227,
4.8353

■ 53.6665, 44.6098,
10.7081

■ 47.8654, 34.5114,
4.1386

■ 56.9332, 49.6939,
16.2650

■ 60.8333, 55.4493,
23.8687

■ 65.4086, 61.9049,
33.7023

■ 70.6970, 69.0877,
45.9283

76.7330, 77.0228,
60.6940

83.5487, 85.7338,
78.1344

91.1740, 95.2434,
98.3752

95.0496, 99.9998,
108.9000

Harmonies

Analogous

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



62.5903, 40.1627, 17.0419



50.9843, 40.1627, 6.9845



37.7411, 40.1627, 4.7541

Triad

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



50.9843, 40.1627, 6.9845



18.8859, 40.1627, 44.9850



51.9013, 40.1627, 132.7563

Complementary

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



50.9843, 40.1627, 6.9845



30.4415, 30.7610, 98.9400

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.



38.6091, 40.1627, 154.4023



50.9843, 40.1627, 6.9845



21.1104, 40.1627, 89.4857

Square

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



50.9843, 40.1627, 6.9845



20.8194, 40.1627, 18.2164



27.7113, 40.1627, 135.3791



63.1957, 40.1627, 86.0606

Rectangle

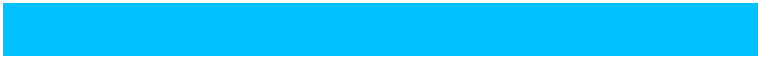
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



50.9843, 40.1627, 6.9845



30.2052, 40.1627, 5.8705



27.7113, 40.1627, 135.3791



47.4327, 40.1627, 144.0666

Sweetspot

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



50.9852, 40.1649, 6.9852



76.5440, 76.7777, 60.2198



47.8148, 25.0510, 32.9751



15.9127, 15.8199, 11.7212



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.



50.9852, 40.1649, 6.9852



47.8658, 34.5117, 4.1386



75.1116, 88.4177, 15.0274



18.7096, 19.3875, 18.9004



25.1573, 18.3258, 2.2113



2.5576, 2.0006, 0.2514

Inverse Universe

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



30.4415, 30.7610, 98.9400



26.8199, 24.7598, 97.9733



19.8717, 9.6213, 95.4167



17.8038, 18.9791, 22.9749



14.1650, 13.2395, 51.2435



1.4886, 1.5079, 5.0259

Previews

White Background



This preview shows how the XYZ color 50.9843, 40.1627, 6.9845 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 50.9843, 40.1627, 6.9845 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 50.9843, 40.1627, 6.9845

Background



This preview shows how black text looks on a background with the XYZ color 50.9843, 40.1627, 6.9845.



This preview shows how white text looks on a background with the XYZ color 50.9843, 40.1627,

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

50.9843, 40.1627, 6.9845

Protanopia

36.5619, 40.4074, 8.5617

Deuteranopia

41.1425, 40.3669, 6.6601



Tritanopia

54.6476, 40.2632, 30.4825

Trichromacy



Original Color

50.9843, 40.1627, 6.9845

Protanomaly

40.7570, 39.6196, 7.8821

Deuteranomaly

44.4361, 40.0331, 6.6815

Tritanomaly

52.5940, 39.8882, 18.2918

Monochromacy



Original Color

50.9843, 40.1627, 6.9845

Achromatopsia

34.8123, 36.6253, 39.8849

Achromatomaly

37.7563, 36.4865, 22.1922

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.9843, 40.1627, 6.9845 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, 140, 39)` looks like.

```
.text, #text, p{  
    color:rgb(255, 140, 39)  
}
```

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, 140, 39) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 140, 39) }
```

Border

The CSS property to change the border of an element to XYZ 50.9843, 40.1627, 6.9845 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, 140, 39) }
```


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

```
.border{ border-color:rgb(255, 140, 39) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 140, 39)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 140, 39); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 140, 39);  
box-shadow:4px 4px 4px 4px rgb(255, 140,  
39) }
```

Background

The CSS property to change the background color of an element to XYZ 50.9843, 40.1627, 6.9845 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 140, 39) }
```

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

```
.background{ background-color: rgb(255,  
140, 39) }
```

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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