

Converting Colors

XYZ(51.7087, 41.7016, 6.9482)

Have a look what the booklet for
XYZ(51.7087, 41.7016, 6.9482)
contains.

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Color

**XYZ(51.6688, 41.6321,
6.9027)**

Conversions

Conversions Part 1

Format	Color
Hex	FF9123
RGB	255, 145, 35
RGB Percent	100%, 57%, 14%
CMY	0.0000, 0.4313, 0.8627
CMYK	0.00, 0.43, 0.86, 0.00
HSL	30°, 100%, 57%
HSV	30°, 86%, 100%
XYZ	51.6688, 41.6321, 6.9027
YIQ	165.3500, 100.8700, -10.8900

Conversions

Conversions Part 2

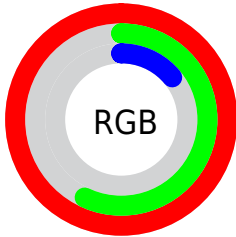
Format	Color
RYB	255, 255, 35
Decimal	16748835
CIELab	70.62, 34.72, 69.59
CIElCh	71, 77.773, 63.484
Yxy	41.6321, 0.5156, 0.4155
Android (android.graphics.Color)	4294938915 (0xFFFF9123)
YUV	165.3500, -64.2625, 78.6231
Hunter-Lab	64.5229, 30.0244, 38.8232

Details

The XYZ color **51.6688, 41.6321, 6.9027** 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 **28.8681, 27.8272, 98.4568**, and the grayscale version is **36.1990, 38.0842, 41.4737**.

A 20% lighter version of the original color is **63.8260, 63.3413, 18.9873**, and **25.6526, 19.0352, 2.3221** is the 20% darker color. If you saturate the color by 10%, you get **49.5781, 37.8533, 4.9663**, and if you desaturate by 10%, it is **54.2542, 45.9623, 10.3574**.

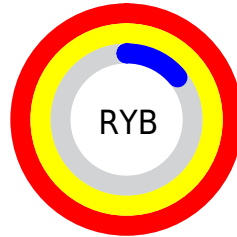
Distribution



Red (100%)

Green (57%)

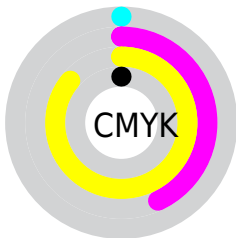
Blue (14%)



Red (100%)

Yellow (100%)

Blue (14%)

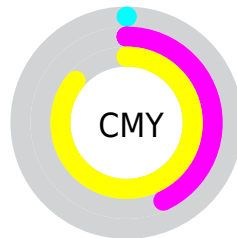


Cyan (0%)

Magenta (43%)

Yellow (86%)

Black (0%)



Cyan (0%)

Magenta (43%)

Yellow (86%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 51.6688, 41.6321, 6.9027 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 51.6688, 41.6321, 6.9027 by changing the saturation by 10% instead.

51.6688, 41.6321,
6.9027

51.6688, 41.6321,
6.9027

383.5016,
352.9556, 176.4529

36.9644, 28.8133,
3.3238

91.8197, 77.6425,
20.2867

25.3534, 18.9397,
1.2623

117.9969,
101.6030, 30.9289

16.4707, 11.6267,
0.0306

148.7291,
130.0461, 44.7627

9.9508, 6.4900,
0.0000

184.3815,
163.3562, 62.2064

5.4284, 3.1453,
0.0000

225.3197,
201.9179, 83.6788

2.5380, 1.2080,
0.0000

271.9088,

0.9145, 0.0683,

246.1154, 109.5983

0.0000

324.5144,
296.3332, 140.3835

■ 0.0000, 0.0000,
0.0000

■ 51.6688, 41.6321,
6.9027

■ 51.6688, 41.6321,
6.9027

■ 49.5781, 37.8533,
4.9663

■ 54.2542, 45.9623,
10.3574

■ 48.8946, 36.5696,
4.4816

■ 57.3894, 50.8714,
15.5996

■ 61.1231, 56.3912,
22.8481

■ 65.4965, 62.5482,
32.2897

■ 70.5465, 69.3669,
44.0891

76.3070, 76.8701,
58.3952

82.8090, 85.0794,
75.3446

90.0819, 94.0151,
95.0638

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.



63.9857, 41.6321, 16.4090



51.6688, 41.6321, 6.9027



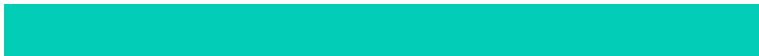
38.0863, 41.6321, 5.0189

Triad

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



51.6688, 41.6321, 6.9027



19.6636, 41.6321, 49.7714



54.8409, 41.6321, 133.7689

Complementary

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



51.6688, 41.6321, 6.9027



28.8681, 27.8272, 98.4568

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.



41.0918, 41.6321, 159.1336



51.6688, 41.6321, 6.9027



22.3211, 41.6321, 96.7035

Square

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



51.6688, 41.6321, 6.9027



21.3109, 41.6321, 20.4937



29.5248, 41.6321, 142.8196



66.0783, 41.6321, 84.8695

Rectangle

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



51.6688, 41.6321, 6.9027



30.5113, 41.6321, 6.4608



29.5248, 41.6321, 142.8196



50.2648, 41.6321, 146.2508

Sweetspot

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



51.6697, 41.6343, 6.9034



76.4746, 77.0849, 58.8218



46.9519, 24.5066, 29.0446



15.9225, 15.9247, 11.4617



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.



51.6697, 41.6343, 6.9034



48.8949, 36.5698, 4.4816



77.3030, 92.9008, 15.4479



18.7598, 19.4878, 18.9171



25.6979, 19.4071, 2.3915



2.6113, 2.1080, 0.2693

Inverse Universe

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



28.8681, 27.8272, 98.4568



25.7033, 22.5266, 97.6011



19.3444, 8.7797, 95.2822



17.7534, 18.8784, 22.9581



13.5798, 12.0693, 51.0484



1.4314, 1.3935, 5.0068

Previews

White Background



This preview shows how the XYZ color 51.6688, 41.6321, 6.9027 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 51.6688, 41.6321, 6.9027 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 51.6688, 41.6321, 6.9027

Background



This preview shows how black text looks on a background with the XYZ color 51.6688, 41.6321, 6.9027.



This preview shows how white text looks on a background with the XYZ color 51.6688, 41.6321,

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

51.6688, 41.6321, 6.9027

Protanopia

38.0596, 42.0414, 8.2993

Deuteranopia

42.6337, 41.6689, 6.5549



Tritanopia

55.5949, 41.5435, 32.6923

Trichromacy



Original Color

51.6688, 41.6321, 6.9027

Protanomaly

42.0787, 41.0926, 7.6333

Deuteranomaly

45.5335, 41.3489, 6.6182

Tritanomaly

53.3664, 41.3504, 18.8044

Monochromacy



Original Color

51.6688, 41.6321, 6.9027

Achromatopsia

35.7637, 37.6262, 40.9749

Achromatomaly

38.7856, 37.7675, 22.3852

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.6688, 41.6321, 6.9027 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, 145, 35)` looks like.

```
.text, #text, p{  
    color:rgb(255, 145, 35)  
}
```

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, 145, 35) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 145, 35) }
```

Border

The CSS property to change the border of an element to XYZ 51.6688, 41.6321, 6.9027 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, 145, 35) }
```


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

```
.border{ border-color:rgb(255, 145, 35) }
```

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

Here you see how a box with a 4 pixel rgb(255, 145, 35) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 145, 35); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 145, 35);  
box-shadow:4px 4px 4px 4px rgb(255, 145,  
35) }
```

Background

The CSS property to change the background color of an element to XYZ 51.6688, 41.6321, 6.9027 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 145, 35) }
```

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

```
.background{ background-color: rgb(255,  
145, 35) }
```

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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