

Converting Colors

XYZ(51.6334, 41.4121, 7.3515)

Have a look what the booklet for
XYZ(51.6334, 41.4121, 7.3515)
contains.

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Color

**XYZ(51.6135, 41.3666,
7.3620)**

Conversions

Conversions Part 1

Format	Color
Hex	FF9029
RGB	255, 144, 41
RGB Percent	100%, 56%, 16%
CMY	0.0000, 0.4353, 0.8392
CMYK	0.00, 0.44, 0.84, 0.00
HSL	29°, 100%, 58%
HSV	29°, 84%, 100%
XYZ	51.6135, 41.3666, 7.3620
YIQ	165.4470, 99.2190, -8.5010

Conversions

Conversions Part 2

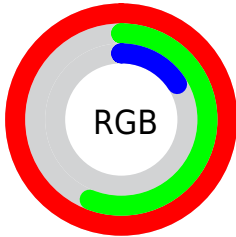
Format	Color
R _{YB}	255, 240, 41
Decimal	16748585
CIE _{Lab}	70.43, 35.37, 67.54
CIE _{LCh}	70, 76.244, 62.359
Yxy	41.3666, 0.5144, 0.4123
Android (android.graphics.Color)	4294938665 (0xFFFF9029)
YUV	165.4470, -61.3524, 78.5380
Hunter-Lab	64.3169, 30.6895, 38.2352

Details

The XYZ color **51.6135, 41.3666, 7.3620** 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 **30.1919, 30.1463, 98.8346**, and the grayscale version is **36.2328, 38.1197, 41.5124**.

A 20% lighter version of the original color is **63.7747, 62.9514, 19.8559**, and **25.5654, 18.8608, 2.2930** is the 20% darker color. If you saturate the color by 10%, you get **49.4166, 37.4698, 5.0988**, and if you desaturate by 10%, it is **54.3345, 45.8522, 11.2190**.

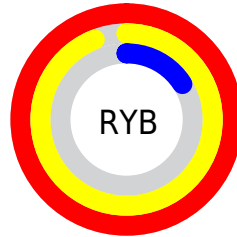
Distribution



Red (100%)

Green (56%)

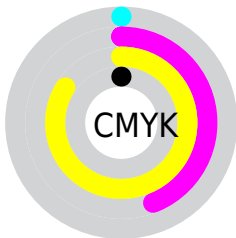
Blue (16%)



Red (100%)

Yellow (94%)

Blue (16%)

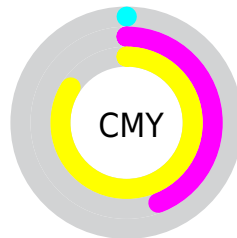


Cyan (0%)

Magenta (44%)

Yellow (84%)

Black (0%)



Cyan (0%)


Magenta (44%)


Yellow (84%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 51.6135, 41.3666, 7.3620 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 51.6135, 41.3666, 7.3620 by changing the saturation by 10% instead.


 51.6135, 41.3666,
7.3620


 51.6135, 41.3666,
7.3620


383.2912,
351.8505, 180.3821

 36.9201, 28.6057,
3.6076


 91.7386, 77.2401,
21.2230


 25.3190, 18.7827,
1.4127


 117.9010,
101.1214, 32.1667

 16.4449, 11.5134,
0.1516


 148.6172,
129.4783, 46.3439

 9.9324, 6.4133,
0.0000

 184.2524,
162.6952, 64.1733

 5.4161, 3.0980,
0.0000

 225.1720,
201.1565, 86.0732

 2.5306, 1.1831,
0.0000

 271.7415,

 0.9107, 0.0478,

245.2465, 112.4623

0.0000

324.3261,
295.3497, 143.7591

■ 0.0000, 0.0000,
0.0000

■ 51.6135, 41.3666,
7.3620

■ 51.6135, 41.3666,
7.3620

■ 49.4166, 37.4698,
5.0988

■ 54.3345, 45.8522,
11.2190

■ 48.2905, 35.3615,
4.2803

■ 57.6326, 50.9546,
16.9236

■ 61.5554, 56.7064,
24.6863

■ 66.1439, 63.1352,
34.6880

■ 71.4350, 70.2666,
47.0897

77.4623, 78.1244,
62.0375

84.2574, 86.7312,
79.6654

91.8495, 96.1085,
100.0982

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.



63.4366, 41.3666, 17.2468



51.6135, 41.3666, 7.3620



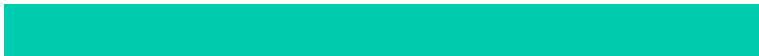
38.3323, 41.3666, 5.2603

Triad

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



51.6135, 41.3666, 7.3620



19.7944, 41.3666, 47.9476



53.7047, 41.3666, 132.3129

Complementary

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



51.6135, 41.3666, 7.3620



30.1919, 30.1463, 98.8346

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.



40.3199, 41.3666, 155.4441



51.6135, 41.3666, 7.3620



22.2488, 41.3666, 93.1010

Square

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



51.6135, 41.3666, 7.3620



21.5758, 41.3666, 19.9789



29.1484, 41.3666, 138.2368



64.8135, 41.3666, 85.3290

Rectangle

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



51.6135, 41.3666, 7.3620



30.8311, 41.3666, 6.5862



29.1484, 41.3666, 138.2368



49.2342, 41.3666, 144.0007

Sweetspot

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



51.6144, 41.3688, 7.3627



76.7756, 77.2408, 60.2970



47.9605, 25.2170, 33.4092



15.9676, 15.9298, 11.7395



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.



51.6144, 41.3688, 7.3627



48.2909, 35.3618, 4.2803



75.1662, 88.4724, 15.2133



18.7309, 19.4299, 18.9075



25.3808, 18.7728, 2.2858



2.5799, 2.0452, 0.2588

Inverse Universe

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



30.1919, 30.1463, 98.8346



26.3364, 23.7928, 97.8121



20.0270, 9.8165, 95.4463



17.7824, 18.9364, 22.9678



13.9118, 12.7331, 51.1591



1.4640, 1.4586, 5.0177

Previews

White Background



This preview shows how the XYZ color 51.6135, 41.3666, 7.3620 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 51.6135, 41.3666, 7.3620 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 51.6135, 41.3666, 7.3620

Background



This preview shows how black text looks on a background with the XYZ color 51.6135, 41.3666, 7.3620.



This preview shows how white text looks on a background with the XYZ color 51.6135, 41.3666,

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

51.6135, 41.3666, 7.3620

Protanopia

37.7252, 41.5699, 8.8318

Deuteranopia

42.4362, 41.5553, 7.0807



Tritanopia

55.3740, 41.2266, 32.2331

Trichromacy



Original Color

51.6135, 41.3666, 7.3620

Protanomaly

41.7129, 40.6291, 8.1263

Deuteranomaly

45.3153, 41.2242, 7.1588

Tritanomaly

53.3249, 41.0989, 19.3097

Monochromacy



Original Color

51.6135, 41.3666, 7.3620

Achromatopsia

35.7637, 37.6262, 40.9749

Achromatomaly

38.7358, 37.4758, 22.9612

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.6135, 41.3666, 7.3620 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, 144, 41)` looks like.

```
.text, #text, p{  
    color:rgb(255, 144, 41)  
}
```

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, 144, 41) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 144, 41) }
```

Border

The CSS property to change the border of an element to XYZ 51.6135, 41.3666, 7.3620 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, 144, 41) }
```


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

```
.border{ border-color:rgb(255, 144, 41) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 144, 41)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 144, 41); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 144, 41);  
box-shadow:4px 4px 4px 4px rgb(255, 144,  
41) }
```

Background

The CSS property to change the background color of an element to XYZ 51.6135, 41.3666, 7.3620 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 144, 41) }
```

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

```
.background{ background-color: rgb(255,  
144, 41) }
```

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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