

Converting Colors

XYZ(51.3064, 41.3929, 5.2855)

Have a look what the booklet for
XYZ(51.3064, 41.3929, 5.2855)
contains.

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Color

**XYZ(51.3654, 41.5108,
5.3051)**

Conversions

Conversions Part 1

Format	Color
Hex	FF9100
RGB	255, 145, 0
RGB Percent	100%, 57%, 0%
CMY	0.0000, 0.4313, 1.0000
CMYK	0.00, 0.43, 1.00, 0.00
HSL	34°, 100%, 50%
HSV	34°, 100%, 100%
XYZ	51.3654, 41.5108, 5.3051
YIQ	161.3600, 112.1050, -21.7750

Conversions

Conversions Part 2

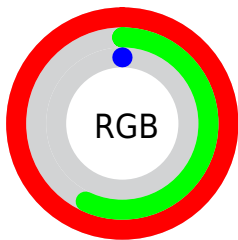
Format	Color
R _Y B	193, 255, 0
Decimal	16748800
CIE Lab	70.53, 34.28, 76.15
CIE LCh	71, 83.508, 65.761
Yxy	41.5108, 0.5232, 0.4228
Android (android.graphics.Color)	4294938880 (0xFFFF9100)
YUV	161.3600, -79.5505, 82.1223
Hunter-Lab	64.4289, 29.5571, 40.2182

Details

The XYZ color **51.3654, 41.5108, 5.3051** is a dark color, and the websafe version is hex **FF9900**. The color can be described as middle saturated orange. A complement of this color would be **23.6262, 18.3724, 96.9080**, and the grayscale version is **34.3682, 36.1580, 39.3761**.

A 20% lighter version of the original color is **63.1988, 63.0904, 15.6842**, and **25.4002, 18.9051, 2.3103** is the 20% darker color. If you saturate the color by 10%, you get **51.3655, 41.5115, 5.3053**, and if you desaturate by 10%, it is **53.3104, 45.1116, 6.8465**.

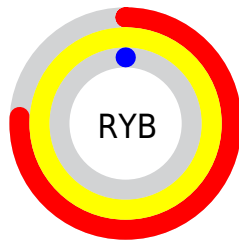
Distribution



Red (100%)

Green (57%)

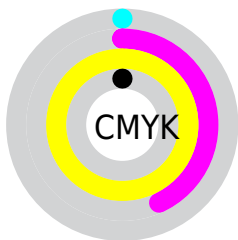
Blue (0%)



Red (76%)

Yellow (100%)

Blue (0%)

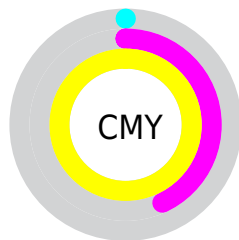


Cyan (0%)

Magenta (43%)

Yellow (100%)

Black (0%)



Cyan (0%)


Magenta (43%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 51.3654, 41.5108, 5.3051 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 51.3654, 41.5108, 5.3051 by changing the saturation by 10% instead.


 51.3654, 41.5108,
5.3051


 51.3654, 41.5108,
5.3051


382.3461,
352.4510, 161.7831


 36.7217, 28.7184,
2.3655


 91.3744, 77.4587,
16.9226

 25.1648, 18.8679,
0.7676


 117.4705,
101.3830, 26.4376

 16.3293, 11.5749,
0.0000

 148.1148,
129.7868, 38.9815

 9.8498, 6.4549,
0.0000

 183.6726,
163.0544, 54.9728

 5.3610, 3.1236,
0.0000

 224.5092,
201.5702, 74.8301

 2.4975, 1.1966,
0.0000

 270.9901,

 0.8940, 0.0589,

245.7186, 98.9718

0.0000

323.4806,
295.8841, 127.8167

0.0000, 0.0000,
0.0000

51.3654, 41.5108,
5.3051

51.3654, 41.5108,
5.3051

51.3655, 41.5115,
5.3053

53.3104, 45.1116,
6.8465

55.6574, 49.1389,
9.6845

58.4837, 53.6322,
14.2006

61.8374, 58.6172,
20.6283

65.7594, 64.1167,
29.1635

70.2859, 70.1513,
39.9777

75.4495, 76.7400,
53.2244

81.2802, 83.9004,
69.0438

87.8059, 91.6495,
87.5652

Harmonies

Analogous

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



65.1028, 41.5108, 13.7709



51.3654, 41.5108, 5.3051



36.8542, 41.5108, 3.9321

Triad

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



51.3654, 41.5108, 5.3051



18.5252, 41.5108, 53.2520



57.0565, 41.5108, 138.9936

Complementary

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



51.3654, 41.5108, 5.3051



23.6262, 18.3724, 96.9080

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.



42.1749, 41.5108, 170.5710



51.3654, 41.5108, 5.3051



21.6206, 41.5108, 105.6421

Square

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



51.3654, 41.5108, 5.3051



19.8879, 41.5108, 20.6508



29.5443, 41.5108, 155.7333



68.8881, 41.5108, 84.0663

Rectangle

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



51.3654, 41.5108, 5.3051



29.0216, 41.5108, 5.5119



29.5443, 41.5108, 155.7333



52.1294, 41.5108, 153.7989

Sweetspot

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



51.3663, 41.5130, 5.3058



75.4477, 76.7376, 53.2185



44.0819, 22.3969, 16.8964



15.6659, 15.8157, 10.1301



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.



51.3663, 41.5130, 5.3058



51.3659, 41.5118, 5.3053



71.0196, 89.6966, 13.5704



18.8668, 19.7017, 18.9528



26.9911, 21.9934, 2.8226



2.7366, 2.3586, 0.3110

Inverse Universe

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



23.6262, 18.3724, 96.9080



23.6256, 18.3711, 96.9085



18.2813, 7.3395, 95.0601



17.6474, 18.6664, 22.9228



12.4865, 9.8825, 50.6840



1.3218, 1.1743, 4.9703

Previews

White Background



This preview shows how the XYZ color 51.3654, 41.5108, 5.3051 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 51.3654, 41.5108, 5.3051 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 51.3654, 41.5108, 5.3051

Background



This preview shows how black text looks on a background with the XYZ color 51.3654, 41.5108, 5.3051.



This preview shows how white text looks on a background with the XYZ color 51.3654, 41.5108,

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

51.3654, 41.5108, 5.3051

Protanopia

37.5755, 41.5397, 6.6994

Deuteranopia

42.4889, 41.6110, 5.7923



Tritanopia

55.5949, 41.5435, 32.6923

Trichromacy



Original Color

51.3654, 41.5108, 5.3051

Protanomaly

41.7851, 40.9752, 6.0875

Deuteranomaly

45.3357, 41.2697, 5.5764

Tritanomaly

52.7853, 41.1179, 15.7441

Monochromacy



Original Color

51.3654, 41.5108, 5.3051

Achromatopsia

33.8758, 35.6400, 38.8120

Achromatomaly

36.6253, 36.0041, 17.5895

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.3654, 41.5108, 5.3051 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, 0)` looks like.

```
.text, #text, p{  
    color:rgb(255, 145, 0)  
}
```

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, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 145, 0) }
```

Border

The CSS property to change the border of an element to XYZ 51.3654, 41.5108, 5.3051 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, 0) }
```


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

```
.border{ border-color:rgb(255, 145, 0) }
```

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, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 145, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 145, 0);  
box-shadow:4px 4px 4px 4px rgb(255, 145,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 51.3654, 41.5108, 5.3051 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, 0) }
```

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

```
.background{ background-color: rgb(255,  
145, 0) }
```

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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