

Converting Colors

XYZ(50.9981, 40.7762, 5.1827)

Have a look what the booklet for
XYZ(50.9981, 40.7762, 5.1827)
contains.

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Color

**XYZ(51.0625, 40.9049,
5.2042)**

Conversions

Conversions Part 1

Format	Color
Hex	FF8F00
RGB	255, 143, 0
RGB Percent	100%, 56%, 0%
CMY	0.0000, 0.4392, 0.9999
CMYK	0.00, 0.44, 1.00, 0.00
HSL	34°, 100%, 50%
HSV	34°, 100%, 100%
XYZ	51.0625, 40.9049, 5.2042
YIQ	160.1860, 112.6550, -20.7290

Conversions

Conversions Part 2

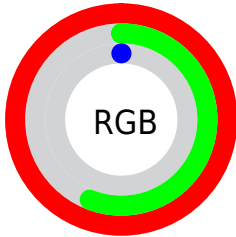
Format	Color
R _Y B	200, 255, 0
Decimal	16748288
CIE Lab	70.11, 35.31, 75.88
CIE LCh	70, 83.694, 65.049
Yxy	40.9049, 0.5255, 0.4210
Android (android.graphics.Color)	4294938368 (0xFFFF8F00)
YUV	160.1860, -78.9717, 83.1519
Hunter-Lab	63.9569, 30.5877, 39.9454

Details

The XYZ color **51.0625, 40.9049, 5.2042** is a dark color, and the websafe version is hex **FF9900**. The color can be described as dark saturated orange. A complement of this color would be **23.8448, 18.8096, 96.9809**, and the grayscale version is **33.8182, 35.5793, 38.7459**.

A 20% lighter version of the original color is **62.7041, 62.1562, 15.3491**, and **25.2269, 18.5585, 2.2525** is the 20% darker color. If you saturate the color by 10%, you get **51.0624, 40.9052, 5.2042**, and if you desaturate by 10%, it is **53.0106, 44.5120, 6.7467**.

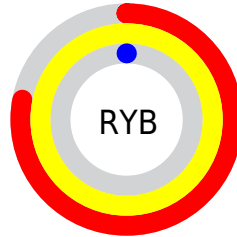
Distribution



Red (100%)

Green (56%)

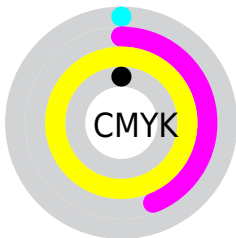
Blue (0%)



Red (78%)

Yellow (100%)

Blue (0%)

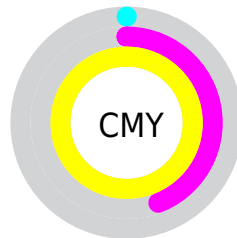


Cyan (0%)

Magenta (44%)

Yellow (100%)

Black (0%)



Cyan (0%)


Magenta (44%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 51.0625, 40.9049, 5.2042 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 51.0625, 40.9049, 5.2042 by changing the saturation by 10% instead.


 51.0625, 40.9049,
5.2042


 51.0625, 40.9049,
5.2042


381.1902,
349.9230, 160.7939

 36.4796, 28.2448,
2.3067


 90.9296, 76.5395,
16.7035


 24.9766, 18.5103,
0.7350


 116.9445,
100.2828, 26.1424

 16.1883, 11.3169,
0.0000


 147.5008,
128.4892, 38.5989

 9.7492, 6.2804,
0.0000

 182.9638,
161.5433, 54.4915

 5.2940, 3.0163,
0.0000

 223.6989,
199.8293, 74.2388

 2.4573, 1.1403,
0.0000

 270.0714,


 0.8738, 0.0121,


243.7316, 98.2593


0.0000


 322.4467,
293.6347, 126.9714


 0.0000, 0.0000,
0.0000


 51.0625, 40.9049,
5.2042


 51.0625, 40.9049,
5.2042


 51.0624, 40.9052,
5.2042

 53.0106, 44.5120,
6.7467

 55.3663, 48.5564,
9.5878

 58.2068, 53.0780,
14.1087

 61.5806, 58.1033,
20.5433

 65.5290, 63.6554,
29.0876

70.0881, 69.7553,
39.9129

75.2910, 76.4224,
53.1730

81.1678, 83.6750,
69.0080

87.7466, 91.5301,
87.5473

Harmonies

Analogous

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



64.6295, 40.9049, 13.7748



51.0625, 40.9049, 5.2042



36.6099, 40.9049, 3.7542

Triad

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



51.0625, 40.9049, 5.2042



18.1244, 40.9049, 51.5016



56.0229, 40.9049, 139.0387

Complementary

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



51.0625, 40.9049, 5.2042



23.8448, 18.8096, 96.9809

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.



41.2397, 40.9049, 169.5887



51.0625, 40.9049, 5.2042



21.0777, 40.9049, 103.3093

Square

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



51.0625, 40.9049, 5.2042



19.5759, 40.9049, 19.7211



28.8060, 40.9049, 153.6839



67.9323, 40.9049, 84.4683

Rectangle

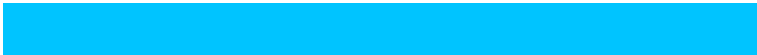
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



51.0625, 40.9049, 5.2042



28.7727, 40.9049, 5.2172



28.8060, 40.9049, 153.6839



51.1113, 40.9049, 153.5600

Sweetspot

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



51.0634, 40.9071, 5.2049



75.2885, 76.4192, 53.1654



44.3204, 22.4924, 18.1520



15.6281, 15.7401, 10.1175



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.



51.0634, 40.9071, 5.2049



51.0628, 40.9055, 5.2043



72.4636, 90.4410, 13.6380



18.8545, 19.6771, 18.9487



26.8327, 21.6767, 2.7698



2.7215, 2.3283, 0.3060

Inverse Universe

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



23.8448, 18.8096, 96.9809



23.8440, 18.8079, 96.9813



18.2125, 7.3040, 95.0570



17.6595, 18.6906, 22.9268



12.6017, 10.1130, 50.7224



1.3336, 1.1978, 4.9742

Previews

White Background



This preview shows how the XYZ color 51.0625, 40.9049, 5.2042 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 51.0625, 40.9049, 5.2042 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 51.0625, 40.9049, 5.2042

Background



This preview shows how black text looks on a background with the XYZ color 51.0625, 40.9049, 5.2042.



This preview shows how white text looks on a background with the XYZ color 51.0625, 40.9049,

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

51.0625, 40.9049, 5.2042

Protanopia

37.1269, 41.0249, 6.6236

Deuteranopia

41.7125, 40.9461, 5.7049



Tritanopia

55.1550, 40.9127, 31.7780

Trichromacy



Original Color

51.0625, 40.9049, 5.2042

Protanomaly

41.1364, 40.1177, 5.9561

Deuteranomaly

44.8435, 40.7659, 5.5051

Tritanomaly

52.4044, 40.4979, 15.1801

Monochromacy



Original Color

51.0625, 40.9049, 5.2042

Achromatopsia

33.4132, 35.1533, 38.2819

Achromatomaly

36.4596, 35.6726, 17.5342

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.0625, 40.9049, 5.2042 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, 143, 0)` looks like.

```
.text, #text, p{  
    color:rgb(255, 143, 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, 143, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 143, 0) }
```

Border

The CSS property to change the border of an element to XYZ 51.0625, 40.9049, 5.2042 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, 143, 0) }
```


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

```
.border{ border-color:rgb(255, 143, 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, 143, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 143, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 143, 0);  
box-shadow:4px 4px 4px 4px rgb(255, 143,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 51.0625, 40.9049, 5.2042 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 143, 0) }
```

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

```
.background{ background-color: rgb(255,  
143, 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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