

Converting Colors

XYZ(51.1726, 41.1072, 5.2967)

Have a look what the booklet for
XYZ(51.1726, 41.1072, 5.2967)
contains.

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Color

**XYZ(51.2242, 41.2109,
5.3121)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | FF9002 |
| RGB | 255, 144, 2 |
| RGB Percent | 100%, 56%, 1% |
| CMY | 0.0000, 0.4353, 0.9921 |
| CMYK | 0.00, 0.44, 0.99, 0.00 |
| HSL | 34°, 100%, 50% |
| HSV | 34°, 99%, 100% |
| XYZ | 51.2242, 41.2109, 5.3121 |
| YIQ | 161.0010, 111.7380, -20.6300 |

Conversions

Conversions Part 2

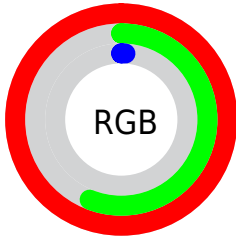
| Format | Color |
|-------------------------------------|--------------------------------|
| R_{YB} | 200, 255, 2 |
| Decimal | 16748546 |
| CIE _{Lab} | 70.32, 34.81, 75.75 |
| CIE _{LCh} | 70, 83.369, 65.320 |
| Yxy | 41.2109, 0.5240, 0.4216 |
| Android (android.graphics.Color) | 4294938626 (0xFFFF9002) |
| YUV | 161.0010, -78.3875, 82.4371 |
| Hunter-Lab | 64.1957, 30.0894, 40.0308 |

Details

The XYZ color **51.2242, 41.2109, 5.3121** 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 **23.9805, 19.0438, 97.0188**, and the grayscale version is **34.1952, 35.9760, 39.1778**.

A 20% lighter version of the original color is **62.9679, 62.6287, 15.6072**, and **25.3130, 18.7307, 2.2812** is the 20% darker color. If you saturate the color by 10%, you get **51.0809, 40.9424, 5.2104**, and if you desaturate by 10%, it is **53.1973, 44.8490, 6.9211**.

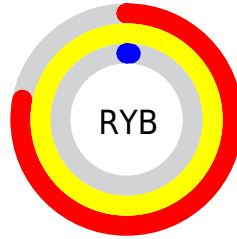
Distribution



Red (100%)

Green (56%)

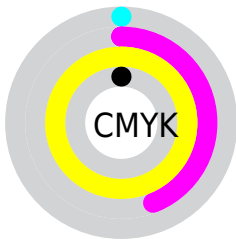
Blue (1%)



Red (78%)

Yellow (100%)

Blue (1%)

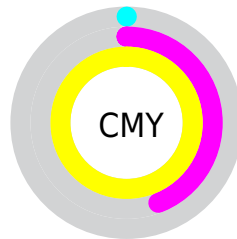


Cyan (0%)

Magenta (44%)

Yellow (99%)

Black (0%)



Cyan (0%)

Magenta (44%)

Yellow (99%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 51.2242, 41.2109, 5.3121 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 51.2242, 41.2109, 5.3121 by changing the saturation by 10% instead.

51.2242, 41.2109,
5.3121

51.2242, 41.2109,
5.3121

381.8075,
351.2013, 161.8514

36.6088, 28.4839,
2.3696

91.1671, 77.0039,
16.9378

25.0771, 18.6908,
0.7698

117.2254,
100.8388, 26.4580

16.2635, 11.4470,
0.0000

147.8286,
129.1450, 39.0079

9.8028, 6.3684,
0.0000

183.3423,
162.3071, 55.0061

5.3297, 3.0703,
0.0000

224.1316,
200.7094, 74.8709


2.4787, 1.1686,
0.0000

270.5620,


0.8845, 0.0358,


244.7362, 99.0211


0.0000


 322.9989,
294.7721, 127.8750


 0.0000, 0.0000,
0.0000

 51.2242, 41.2109,
5.3121


 51.2242, 41.2109,
5.3121


 51.0809, 40.9424,
5.2104

 53.1973, 44.8490,
6.9211

 55.5884, 48.9287,
9.8839

 58.4681, 53.4871,
14.5466

 61.8843, 58.5504,
21.1394

 65.8776, 64.1413,
29.8558

70.4840, 70.2809,
40.8658

75.7362, 76.9883,
54.3219

81.6641, 84.2817,
70.3632

88.2956, 92.1781,
89.1185

Harmonies

Analogous

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



64.8195, 41.2109, 13.8712



51.2242, 41.2109, 5.3121



36.7790, 41.2109, 3.8816

Triad

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



51.2242, 41.2109, 5.3121



18.3677, 41.2109, 52.2320



56.4485, 41.2109, 138.8014

Complementary

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



51.2242, 41.2109, 5.3121



23.9805, 19.0438, 97.0188

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.



41.6618, 41.2109, 169.6114



51.2242, 41.2109, 5.3121



21.3749, 41.2109, 104.1077

Square

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



51.2242, 41.2109, 5.3121



19.7859, 41.2109, 20.1762



29.1724, 41.2109, 154.1785



68.2950, 41.2109, 84.2956

Rectangle

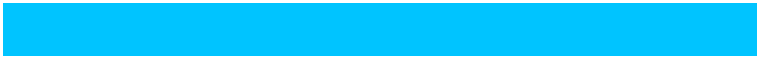
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



51.2242, 41.2109, 5.3121



28.9541, 41.2109, 5.3983



29.1724, 41.2109, 154.1785



51.5433, 41.2109, 153.3701

Sweetspot

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



51.2251, 41.2131, 5.3128



75.2984, 76.4389, 53.1687



44.4055, 22.5611, 18.4934



15.6305, 15.7448, 10.1183



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.



51.2251, 41.2131, 5.3128



51.0814, 40.9427, 5.2105



72.5088, 90.4630, 13.6972



18.8552, 19.6786, 18.9489



26.8425, 21.6962, 2.7730



2.7224, 2.3302, 0.3063

Inverse Universe

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



23.9805, 19.0438, 97.0188



23.8303, 18.7806, 96.9768



18.2632, 7.3623, 95.0654



17.6587, 18.6891, 22.9266



12.5945, 10.0986, 50.7200



1.3328, 1.1963, 4.9739

Previews

White Background



This preview shows how the XYZ color 51.2242, 41.2109, 5.3121 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 51.2242, 41.2109, 5.3121 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 51.2242, 41.2109, 5.3121

Background



This preview shows how black text looks on a background with the XYZ color 51.2242, 41.2109, 5.3121.



This preview shows how white text looks on a background with the XYZ color 51.2242, 41.2109, 5.3121.

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

51.2242, 41.2109, 5.3121

Protanopia

37.3180, 41.4070, 6.6873

Deuteranopia

42.1889, 41.4563, 5.7783



Tritanopia

55.3740, 41.2266, 32.2331

Trichromacy



Original Color

51.2242, 41.2109, 5.3121

Protanomaly

41.3119, 40.4686, 6.0146

Deuteranomaly

45.0174, 41.1051, 5.5901

Tritanomaly

52.6385, 40.8243, 15.6952

Monochromacy



Original Color

51.2242, 41.2109, 5.3121

Achromatopsia

33.8758, 35.6400, 38.8120

Achromatomaly

36.6752, 36.0241, 17.8523

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.2242, 41.2109, 5.3121 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, 2)` looks like.

```
.text, #text, p{  
    color:rgb(255, 144, 2)  
}
```

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, 2) colored shadow looks like.

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

Border

The CSS property to change the border of an element to XYZ 51.2242, 41.2109, 5.3121 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, 2) }
```


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

```
.border{ border-color:rgb(255, 144, 2) }
```

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, 2)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 144, 2); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 144, 2);  
box-shadow:4px 4px 4px 4px rgb(255, 144,  
2) }
```

Background

The CSS property to change the background color of an element to XYZ 51.2242, 41.2109, 5.3121 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, 2) }
```

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

```
.background{ background-color: rgb(255,  
144, 2) }
```

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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