

Converting Colors

XYZ(51.1804, 41.1407, 5.2435)

Have a look what the booklet for
XYZ(51.1804, 41.1407, 5.2435)
contains.

XYZ(51.2133, 41.2065, 5.2544)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(51.2133, 41.2065,
5.2544)**

Conversions

Conversions Part 1

Format	Color
Hex	FF9000
RGB	255, 144, 0
RGB Percent	100%, 56%, 0%
CMY	0.0000, 0.4353, 1.0000
CMYK	0.00, 0.44, 1.00, 0.00
HSL	34°, 100%, 50%
HSV	34°, 100%, 100%
XYZ	51.2133, 41.2065, 5.2544
YIQ	160.7730, 112.3800, -21.2520

Conversions

Conversions Part 2

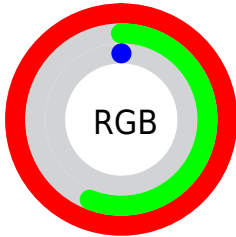
Format	Color
R_{YB}	197, 255, 0
Decimal	16748544
CIE Lab	70.32, 34.80, 76.01
CIE LCh	70, 83.599, 65.404
Yxy	41.2065, 0.5243, 0.4219
Android (android.graphics.Color)	4294938624 (0xFFFF9000)
YUV	160.7730, -79.2611, 82.6371
Hunter-Lab	64.1923, 30.0727, 40.0815

Details

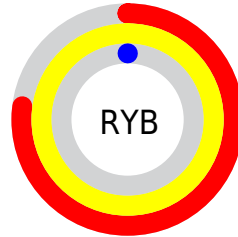
The XYZ color **51.2133, 41.2065, 5.2544** is a dark color, and the websafe version is hex **FF9900**. The color can be described as middle saturated orange. A complement of this color would be **23.7348, 18.5896, 96.9443**, and the grayscale version is **34.0925, 35.8680, 39.0602**.

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 **51.2134, 41.2071, 5.2545**, and if you desaturate by 10%, it is **53.1600, 44.8107, 6.7964**.

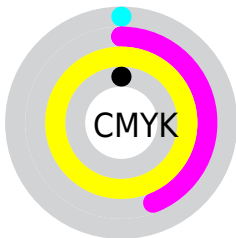
Distribution



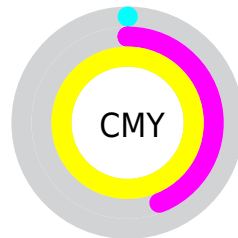
- Red (100%)
- Green (56%)
- Blue (0%)



- Red (77%)
- 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 51.2133, 41.2065, 5.2544 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 51.2133, 41.2065, 5.2544 by changing the saturation by 10% instead.


 51.2133, 41.2065,
5.2544


 51.2133, 41.2065,
5.2544


381.7660,
351.1829, 161.2871

 36.6001, 28.4805,
2.3360


 91.1511, 76.9973,
16.8126


 25.0703, 18.6882,
0.7513


 117.2064,
100.8308, 26.2895


 16.2584, 11.4452,
0.0000

 147.8065,
129.1356, 38.7896

 9.7992, 6.3671,
0.0000

 183.3168,
162.2961, 54.7314

 5.3273, 3.0696,
0.0000

 224.1025,
200.6967, 74.5335


 2.4773, 1.1682,
0.0000

 270.5290,


 0.8838, 0.0355,


244.7218, 98.6145


0.0000


 322.9617,
294.7557, 127.3928


 0.0000, 0.0000,
0.0000


 51.2133, 41.2065,
5.2544


 51.2133, 41.2065,
5.2544


 51.2134, 41.2071,
5.2545

 53.1600, 44.8107,
6.7964

 55.5114, 48.8467,
9.6359

 58.3449, 53.3544,
14.1544

 61.7087, 58.3597,
20.5855

 65.6440, 63.8856,
29.1252

70.1868, 69.9530,
39.9449

75.3701, 76.5809,
53.1983

81.2239, 83.7875,
69.0254

87.7761, 91.5896,
87.5557

Harmonies

Analogous

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



64.8652, 41.2065, 13.7728



51.2133, 41.2065, 5.2544



36.7315, 41.2065, 3.8423

Triad

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



51.2133, 41.2065, 5.2544



18.3237, 41.2065, 52.3706



56.5372, 41.2065, 139.0153

Complementary

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



51.2133, 41.2065, 5.2544



23.7348, 18.5896, 96.9443

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.



41.7048, 41.2065, 170.0777



51.2133, 41.2065, 5.2544



21.3476, 41.2065, 104.4693

Square

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



51.2133, 41.2065, 5.2544



19.7312, 41.2065, 20.1817



29.1730, 41.2065, 154.7042



68.4081, 41.2065, 84.2668

Rectangle

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



51.2133, 41.2065, 5.2544



28.8967, 41.2065, 5.3630



29.1730, 41.2065, 154.7042



51.6177, 41.2065, 153.6783

Sweetspot

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



51.2142, 41.2087, 5.2551



75.3681, 76.5783, 53.1919



44.3203, 22.4923, 18.1517



15.6470, 15.7779, 10.1238



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.



51.2142, 41.2087, 5.2551



51.2137, 41.2074, 5.2546



72.4636, 90.4411, 13.6380



18.8606, 19.6894, 18.9507



26.9116, 21.8344, 2.7961



2.7290, 2.3434, 0.3085

Inverse Universe

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



23.7348, 18.5896, 96.9443



23.7341, 18.5882, 96.9447



18.2125, 7.3040, 95.0570



17.6534, 18.6785, 22.9248



12.5438, 9.9971, 50.7031



1.3276, 1.1860, 4.9722

Previews

White Background



This preview shows how the XYZ color 51.2133, 41.2065, 5.2544 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 51.2133, 41.2065, 5.2544 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 51.2133, 41.2065, 5.2544

Background



This preview shows how black text looks on a background with the XYZ color 51.2133, 41.2065, 5.2544.



This preview shows how white text looks on a background with the XYZ color 51.2133, 41.2065,

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

51.2133, 41.2065, 5.2544

Protanopia

37.3180, 41.4070, 6.6873

Deuteranopia

42.1889, 41.4563, 5.7783



Tritanopia

55.3740, 41.2266, 32.2331

Trichromacy



Original Color

51.2133, 41.2065, 5.2544

Protanomaly

41.3119, 40.4686, 6.0146

Deuteranomaly

45.0120, 41.1029, 5.5613

Tritanomaly

52.5939, 40.8065, 15.4604

Monochromacy



Original Color

51.2133, 41.2065, 5.2544

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 51.2133, 41.2065, 5.2544 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, 0)` looks like.

```
.text, #text, p{  
    color:rgb(255, 144, 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, 144, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 144, 0) }
```

Border

The CSS property to change the border of an element to XYZ 51.2133, 41.2065, 5.2544 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, 0) }
```


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

```
.border{ border-color:rgb(255, 144, 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, 144, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 144, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 144, 0);  
box-shadow:4px 4px 4px 4px rgb(255, 144,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 51.2133, 41.2065, 5.2544 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, 0) }
```

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

```
.background{ background-color: rgb(255,  
144, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor