

Converting Colors

XYZ(51.5707, 41.9213, 5.3736)

Have a look what the booklet for
XYZ(51.5707, 41.9213, 5.3736)
contains.

XYZ(51.5189, 41.8178, 5.3563)	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>	30

Color

**XYZ(51.5189, 41.8178,
5.3563)**

Conversions

Conversions Part 1

Format	Color
Hex	FF9200
RGB	255, 146, 0
RGB Percent	100%, 57%, 0%
CMY	0.0000, 0.4274, 1.0000
CMYK	0.00, 0.43, 1.00, 0.00
HSL	34°, 100%, 50%
HSV	34°, 100%, 100%
XYZ	51.5189, 41.8178, 5.3563
YIQ	161.9470, 111.8300, -22.2980

Conversions

Conversions Part 2

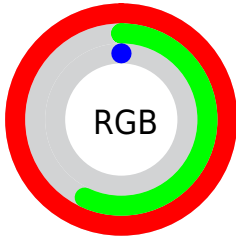
Format	Color
RYB	190, 255, 0
Decimal	16749056
CIELab	70.75, 33.77, 76.28
CIELCh	71, 83.420, 66.119
Yxy	41.8178, 0.5220, 0.4237
Android (android.graphics.Color)	4294939136 (0xFFFF9200)
YUV	161.9470, -79.8399, 81.6075
Hunter-Lab	64.6667, 29.0414, 40.3557

Details

The XYZ color **51.5189, 41.8178, 5.3563** 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 **23.5191, 18.1581, 96.8722**, and the grayscale version is **34.6453, 36.4496, 39.6936**.

A 20% lighter version of the original color is **63.4312, 63.5551, 15.7617**, and **25.4886, 19.0818, 2.3398** is the 20% darker color. If you saturate the color by 10%, you get **51.5189, 41.8184, 5.3564**, and if you desaturate by 10%, it is **53.4620, 45.4149, 6.8971**.

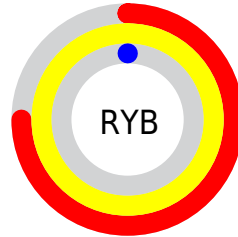
Distribution



Red (100%)

Green (57%)

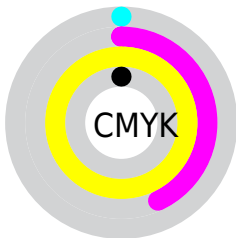
Blue (0%)



Red (75%)

Yellow (100%)

Blue (0%)

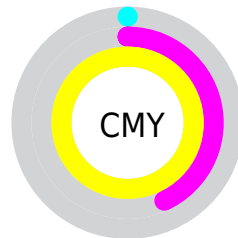


Cyan (0%)

Magenta (43%)

Yellow (100%)

Black (0%)



Cyan (0%)


Magenta (43%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 51.5189, 41.8178, 5.3563 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 51.5189, 41.8178, 5.3563 by changing the saturation by 10% instead.


 51.5189, 41.8178,
5.3563

 51.5189, 41.8178,
5.3563


382.9310,
353.7271, 162.2817

 36.8445, 28.9587,
2.3954


 91.5998, 77.9238,
17.0334


 25.2602, 19.0495,
0.7840


 117.7369,
101.9394, 26.5868

 16.4008, 11.7061,
0.0000


 148.4257,
130.4427, 39.1747

 9.9008, 6.5439,
0.0000

 184.0314,
163.8180, 55.2157

 5.3950, 3.1785,
0.0000

 224.9194,
202.4497, 75.1284

 2.5180, 1.2256,
0.0000


 271.4551,


 0.9043, 0.0825,


246.7221, 99.3313


0.0000


 324.0039,
297.0198, 128.2429


 0.0000, 0.0000,
0.0000


 51.5189, 41.8178,
5.3563


 51.5189, 41.8178,
5.3563


 51.5189, 41.8184,
5.3564

 53.4620, 45.4149,
6.8971

 55.8045, 49.4331,
9.7337

 58.6234, 53.9116,
14.2474

 61.9669, 58.8760,
20.6717

 65.8756, 64.3489,
29.2027

70.3856, 70.3505,
40.0115

75.5295, 76.8997,
53.2518

81.3372, 84.0141,
69.0636

87.8363, 91.7100,
87.5762

Harmonies

Analogous

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



65.3425, 41.8178, 13.7693



51.5189, 41.8178, 5.3563



36.9779, 41.8178, 4.0234

Triad

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



51.5189, 41.8178, 5.3563



18.7289, 41.8178, 54.1456



57.5809, 41.8178, 138.9741

Complementary

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



51.5189, 41.8178, 5.3563



23.5191, 18.1581, 96.8722

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.



42.6501, 41.8178, 171.0689



51.5189, 41.8178, 5.3563



21.8968, 41.8178, 106.8274

Square

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



51.5189, 41.8178, 5.3563



20.0460, 41.8178, 21.1282



29.9199, 41.8178, 156.7713



69.3723, 41.8178, 83.8670

Rectangle

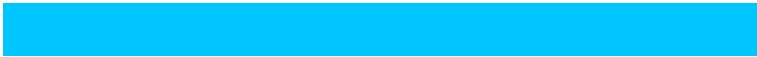
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



51.5189, 41.8178, 5.3563



29.1476, 41.8178, 5.6638



29.9199, 41.8178, 156.7713



52.6461, 41.8178, 153.9222

Sweetspot

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



51.5198, 41.8200, 5.3570



75.5275, 76.8970, 53.2451



44.0819, 22.3970, 16.8966



15.6848, 15.8536, 10.1364



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.



51.5198, 41.8200, 5.3570



51.5193, 41.8187, 5.3564



71.0197, 89.6966, 13.5704



18.8729, 19.7140, 18.9548



27.0712, 22.1536, 2.8493



2.7443, 2.3739, 0.3136

Inverse Universe

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



23.5191, 18.1581, 96.8722



23.5183, 18.1566, 96.8728



18.2814, 7.3395, 95.0601



17.6414, 18.6544, 22.9208



12.4298, 9.7692, 50.6651



1.3160, 1.1627, 4.9683

Previews

White Background



This preview shows how the XYZ color 51.5189, 41.8178, 5.3563 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 51.5189, 41.8178, 5.3563 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 51.5189, 41.8178, 5.3563

Background



This preview shows how black text looks on a background with the XYZ color 51.5189, 41.8178, 5.3563.



This preview shows how white text looks on a background with the XYZ color 51.5189, 41.8178,

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

51.5189, 41.8178, 5.3563

Protanopia

38.0273, 42.0584, 6.7756

Tritanopia

55.8179, 41.8634, 33.1555

Trichromacy



Original Color

51.5189, 41.8178, 5.3563

Protanomaly

41.9634, 41.3317, 6.1469

Tritanomaly

52.9334, 41.4142, 15.7935

Monochromacy



Original Color

51.5189, 41.8178, 5.3563

Achromatopsia

34.3422, 36.1307, 39.3463

Achromatomaly

37.1016, 36.4920, 17.9202

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.5189, 41.8178, 5.3563 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, 146, 0)` looks like.

```
.text, #text, p{  
    color:rgb(255, 146, 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, 146, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 146, 0) }
```

Border

The CSS property to change the border of an element to XYZ 51.5189, 41.8178, 5.3563 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, 146, 0) }
```

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

```
.border{ border-color:rgb(255, 146, 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, 146, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 146, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 146, 0);  
box-shadow:4px 4px 4px 4px rgb(255, 146,  
0) }
```


Background

The CSS property to change the background color of an element to XYZ 51.5189, 41.8178, 5.3563 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 146, 0) }
```

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

```
.background{ background-color: rgb(255,  
146, 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