

Converting Colors

XYZ(51.4874, 41.4658, 6.2388)

Have a look what the booklet for
XYZ(51.4874, 41.4658, 6.2388)
contains.

XYZ(51.5519, 41.5854, 6.2870)	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(51.5519, 41.5854,
6.2870)**

Conversions

Conversions Part 1

Format	Color
Hex	FF911A
RGB	255, 145, 26
RGB Percent	100%, 57%, 10%
CMY	0.0000, 0.4313, 0.8980
CMYK	0.00, 0.43, 0.90, 0.00
HSL	31°, 100%, 55%
HSV	31°, 90%, 100%
XYZ	51.5519, 41.5854, 6.2870
YIQ	164.3240, 103.7590, -13.6890

Conversions

Conversions Part 2

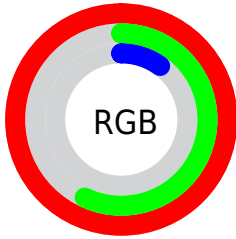
Format	Color
R _Y B	238, 255, 26
Decimal	16748826
CIE Lab	70.58, 34.55, 71.98
CIE LCh	71, 79.845, 64.357
Yxy	41.5854, 0.5185, 0.4183
Android (android.graphics.Color)	4294938906 (0xFFFF911A)
YUV	164.3240, -68.1937, 79.5229
Hunter-Lab	64.4867, 29.8444, 39.3604

Details

The XYZ color **51.5519, 41.5854, 6.2870** is a dark color, and the websafe version is hex **FF9900**. The color can be described as middle washed orange. A complement of this color would be **27.2799, 25.0474, 98.0039**, and the grayscale version is **35.7230, 37.5834, 40.9283**.

A 20% lighter version of the original color is **63.5740, 63.2404, 17.6600**, and **25.4002, 18.9051, 2.3103** is the 20% darker color. If you saturate the color by 10%, you get **49.5971, 37.9702, 4.7295**, and if you desaturate by 10%, it is **53.9488, 45.7040, 9.1692**.

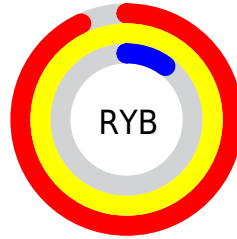
Distribution



Red (100%)

Green (57%)

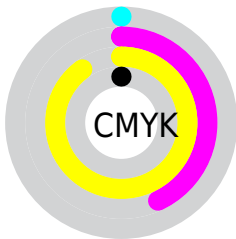
Blue (10%)



Red (93%)

Yellow (100%)

Blue (10%)

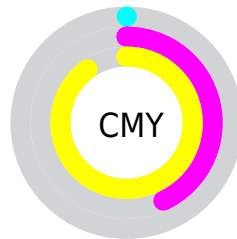


Cyan (0%)

Magenta (43%)

Yellow (90%)

Black (0%)



Cyan (0%)


Magenta (43%)


Yellow (90%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 51.5519, 41.5854, 6.2870 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 51.5519, 41.5854, 6.2870 by changing the saturation by 10% instead.


 51.5519, 41.5854,
6.2870


 51.5519, 41.5854,
6.2870


383.0567,
352.7614, 170.9999

 36.8709, 28.7768,
2.9488


 91.6482, 77.5718,
19.0116


 25.2807, 18.9120,
1.0685


 117.7942,
101.5183, 29.2351


 16.4162, 11.6067,
0.0000


 148.4925,
129.9463, 42.5907

 9.9118, 6.4765,
0.0000

 184.1085,
163.2401, 59.4970

 5.4024, 3.1369,
0.0000

 225.0075,
201.7841, 80.3725

 2.5224, 1.2036,
0.0000

 271.5550,

 0.9066, 0.0647,

245.9627, 105.6358

0.0000

324.1163,
296.1603, 135.7055

■ 0.0000, 0.0000,
0.0000

■ 51.5519, 41.5854,
6.2870

■ 51.5519, 41.5854,
6.2870

■ 49.5971, 37.9702,
4.7295

■ 53.9488, 45.7040,
9.1692

■ 49.5611, 37.9027,
4.7038

■ 56.8615, 50.3597,
13.7458

■ 60.3405, 55.5839,
20.2509

■ 64.4284, 61.4025,
28.8803

■ 69.1627, 67.8392,
39.8056

■ 74.5776, 74.9160,
53.1805

■ 80.7044, 82.6535,
69.1455

■ 87.5723, 91.0711,
87.8301

95.0497, 99.9999,
108.9000

Harmonies

Analogous

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



64.3849, 41.5854, 15.4082



51.5519, 41.5854, 6.2870



37.6294, 41.5854, 4.6025

Triad

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



51.5519, 41.5854, 6.2870



19.2428, 41.5854, 51.0268



55.6407, 41.5854, 135.6381

Complementary

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



51.5519, 41.5854, 6.2870



27.2799, 25.0474, 98.0039

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.



41.4846, 41.5854, 163.2262



51.5519, 41.5854, 6.2870



22.0641, 41.5854, 99.9036

Square

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



51.5519, 41.5854, 6.2870



20.7830, 41.5854, 20.5540



29.5323, 41.5854, 147.4354



67.0903, 41.5854, 84.5598

Rectangle

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



51.5519, 41.5854, 6.2870



29.9590, 41.5854, 6.1041



29.5323, 41.5854, 147.4354



50.9387, 41.5854, 148.9536

Sweetspot

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



51.5528, 41.5876, 6.2877



76.2214, 77.0166, 57.3864



46.1021, 23.7961, 25.7123



15.8874, 15.9383, 11.1917



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.



51.5528, 41.5876, 6.2877



49.5615, 37.9030, 4.7038



75.7958, 92.1373, 14.7671



18.7903, 19.5488, 18.9273



26.0474, 20.1061, 2.5080



2.6456, 2.1765, 0.2807

Inverse Universe

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



27.2799, 25.0474, 98.0039



25.0690, 21.2581, 97.3897



18.9497, 8.2324, 95.1973



17.7229, 18.8175, 22.9480



13.2468, 11.4031, 50.9374



1.3985, 1.3276, 4.9958

Previews

White Background



This preview shows how the XYZ color 51.5519, 41.5854, 6.2870 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 51.5519, 41.5854, 6.2870 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 51.5519, 41.5854, 6.2870

Background



This preview shows how black text looks on a background with the XYZ color 51.5519, 41.5854, 6.2870.



This preview shows how white text looks on a background with the XYZ color 51.5519, 41.5854,

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

51.5519, 41.5854, 6.2870

Protanopia

37.9305, 41.9897, 7.6190

Deuteranopia

42.4889, 41.6110, 5.7923



Tritanopia

55.5949, 41.5435, 32.6923

Trichromacy



Original Color

51.5519, 41.5854, 6.2870

Protanomaly

41.9598, 41.0450, 7.0073

Deuteranomaly

45.3850, 41.2895, 5.8361

Tritanomaly

53.2131, 41.2890, 17.9969

Monochromacy



Original Color

51.5519, 41.5854, 6.2870

Achromatopsia

35.2861, 37.1238, 40.4278

Achromatomaly

38.1202, 37.1992, 21.0906

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.5519, 41.5854, 6.2870 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, 26)` looks like.

```
.text, #text, p{  
    color:rgb(255, 145, 26)  
}
```

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, 26) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 145, 26) }
```

Border

The CSS property to change the border of an element to XYZ 51.5519, 41.5854, 6.2870 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, 26) }
```


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

```
.border{ border-color:rgb(255, 145, 26) }
```

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, 26)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 145, 26); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 145, 26);  
box-shadow:4px 4px 4px 4px rgb(255, 145,  
26) }
```

Background

The CSS property to change the background color of an element to XYZ 51.5519, 41.5854, 6.2870 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, 26) }
```

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

```
.background{ background-color: rgb(255,  
145, 26) }
```

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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