

Converting Colors

XYZ(52.0165, 41.8569, 8.4696)

Have a look what the booklet for
XYZ(52.0165, 41.8569, 8.4696)
contains.

XYZ(51.9629, 41.7498, 8.4517)	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(51.9629, 41.7498,
8.4517)**

Conversions

Conversions Part 1

Format	Color
Hex	FF9133
RGB	255, 145, 51
RGB Percent	100%, 57%, 20%
CMY	0.0000, 0.4313, 0.8000
CMYK	0.00, 0.43, 0.80, 0.00
HSL	28°, 100%, 60%
HSV	28°, 80%, 100%
XYZ	51.9629, 41.7498, 8.4517
YIQ	167.1740, 95.7340, -5.9140

Conversions

Conversions Part 2

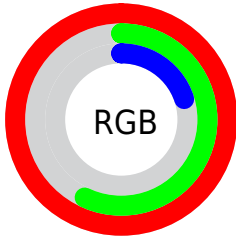
Format	Color
R_{YB}	255, 225, 51
Decimal	16748851
CIE _{Lab}	70.70, 35.14, 64.16
CIE _{LCh}	71, 73.158, 61.290
Yxy	41.7498, 0.5086, 0.4087
Android (android.graphics.Color)	4294938931 (0xFFFF9133)
YUV	167.1740, -57.2738, 77.0234
Hunter-Lab	64.6141, 30.4757, 37.4746

Details

The XYZ color **51.9629, 41.7498, 8.4517** is a light color, and the websafe version is hex **FF9933**. The color can be described as light washed orange. A complement of this color would be **32.1591, 33.4115, 99.3611**, and the grayscale version is **37.0546, 38.9843, 42.4539**.

A 20% lighter version of the original color is **64.4441, 63.5885, 22.2418**, and **25.6526, 19.0352, 2.3221** is the 20% darker color. If you saturate the color by 10%, you get **49.5717, 37.6343, 5.5998**, and if you desaturate by 10%, it is **54.9181, 46.5014, 13.0106**.

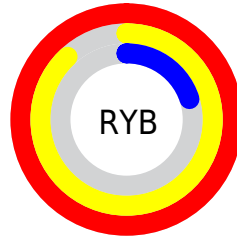
Distribution



Red (100%)

Green (57%)

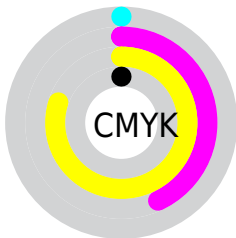
Blue (20%)



Red (100%)

Yellow (88%)

Blue (20%)

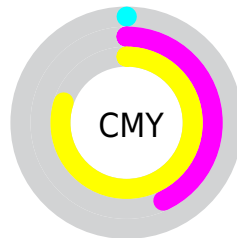


Cyan (0%)

Magenta (43%)

Yellow (80%)

Black (0%)



Cyan (0%)


Magenta (43%)


Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 51.9629, 41.7498, 8.4517 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 51.9629, 41.7498, 8.4517 by changing the saturation by 10% instead.


 51.9629, 41.7498,
8.4517


 51.9629, 41.7498,
8.4517


384.6197,
353.4447, 189.2981


 37.1997, 28.9054,
4.2934


 92.2511, 77.8208,
23.3999

 25.5365, 19.0093,
1.7877


 118.5067,
101.8163, 35.0270

 16.6081, 11.6770,
0.4198

 149.3239,
130.2975, 49.9807

 10.0490, 6.5241,
0.0000

 185.0679,
163.6490, 68.6796

 5.4940, 3.1663,
0.0000

 226.1041,
202.2550, 91.5423

 2.5776, 1.2192,
0.0000

 272.7979,

 0.9346, 0.0773,

246.5001, 118.9872

0.0000

325.5147,
296.7685, 151.4330

■ 0.0000, 0.0000,
0.0000

■ 51.9629, 41.7498,
8.4517

■ 51.9629, 41.7498,
8.4517

■ 49.5717, 37.6343,
5.5998

■ 54.9181, 46.5014,
13.0106

■ 47.6605, 34.1015,
4.0703


■ 58.4871, 51.9172,
19.5095


■ 47.6603, 34.1011,
4.0702

■ 62.7160, 58.0307,
28.1464

■ 67.6449, 64.8703,
39.0940

■ 73.3103, 72.4628,
52.5073

 79.7457, 80.8330,
68.5274

 86.9826, 90.0047,
87.2851

95.0497, 99.9998,
108.9000

Harmonies

Analogous

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



63.1149, 41.7498, 18.8579



51.9629, 41.7498, 8.4517



39.1594, 41.7498, 6.0551

Triad

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



51.9629, 41.7498, 8.4517



20.6451, 41.7498, 46.9783



53.0586, 41.7498, 129.6748

Complementary

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



51.9629, 41.7498, 8.4517



32.1591, 33.4115, 99.3611

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.



40.2091, 41.7498, 150.1610



51.9629, 41.7498, 8.4517



22.9124, 41.7498, 89.6826

Square

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



51.9629, 41.7498, 8.4517



22.5504, 41.7498, 20.3435



29.5066, 41.7498, 132.7218



63.8328, 41.7498, 85.6491

Rectangle

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



51.9629, 41.7498, 8.4517



31.8071, 41.7498, 7.3176



29.5066, 41.7498, 132.7218



48.7598, 41.7498, 140.3183

Sweetspot

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



51.9638, 41.7520, 8.4524



77.0770, 77.3897, 61.7966



49.0525, 26.2793, 37.2318



16.0116, 15.9310, 12.0215



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.



51.9638, 41.7520, 8.4524



48.3798, 35.4502, 4.5856



74.4290, 86.6823, 15.9408



18.6991, 19.3664, 18.8969



25.0493, 18.1098, 2.1753



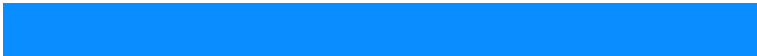
2.5468, 1.9790, 0.2477

Inverse Universe

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



32.1591, 33.4115, 99.3611



27.8793, 26.6890, 98.2898



21.0948, 11.2830, 95.6730



17.8144, 19.0003, 22.9785



14.2936, 13.4968, 51.2864



1.5011, 1.5328, 5.0300

Previews

White Background



This preview shows how the XYZ color 51.9629, 41.7498, 8.4517 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 51.9629, 41.7498, 8.4517 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 51.9629, 41.7498, 8.4517

Background



This preview shows how black text looks on a background with the XYZ color 51.9629, 41.7498, 8.4517.



This preview shows how white text looks on a background with the XYZ color 51.9629, 41.7498,

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

51.9629, 41.7498, 8.4517

Protanopia

38.1736, 42.0572, 10.2436

Deuteranopia

42.8046, 41.9901, 8.1344



Tritanopia

55.8179, 41.8634, 33.1555

Trichromacy



Original Color

51.9629, 41.7498, 8.4517

Protanomaly

42.1299, 41.0788, 9.4499

Deuteranomaly

45.6750, 41.6399, 8.2147

Tritanomaly

53.7455, 41.5020, 20.8008

Monochromacy



Original Color

51.9629, 41.7498, 8.4517

Achromatopsia

36.7301, 38.6429, 42.0822

Achromatomaly

39.6530, 38.4191, 24.7277

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.9629, 41.7498, 8.4517 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, 51)` looks like.

```
.text, #text, p{  
    color:rgb(255, 145, 51)  
}
```

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, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 145, 51) }
```

Border

The CSS property to change the border of an element to XYZ 51.9629, 41.7498, 8.4517 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, 51) }
```


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

```
.border{ border-color:rgb(255, 145, 51) }
```

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, 51)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 145, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 145, 51);  
box-shadow:4px 4px 4px 4px rgb(255, 145,  
51) }
```

Background

The CSS property to change the background color of an element to XYZ 51.9629, 41.7498, 8.4517 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, 51) }
```

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

```
.background{ background-color: rgb(255,  
145, 51) }
```

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