

Converting Colors

XYZ(51.1770, 41.5331, 11.3243)

Have a look what the booklet for
XYZ(51.1770, 41.5331, 11.3243)
contains.

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Color

**XYZ(51.1999, 41.5219,
11.2772)**

Conversions

Conversions Part 1

Format	Color
Hex	FB9247
RGB	251, 146, 71
RGB Percent	98%, 57%, 28%
CMY	0.0157, 0.4274, 0.7216
CMYK	0.00, 0.42, 0.72, 0.02
HSL	25°, 96%, 63%
HSV	25°, 72%, 98%
XYZ	51.1999, 41.5219, 11.2772
YIQ	168.8450, 86.6550, -1.0650

Conversions

Conversions Part 2

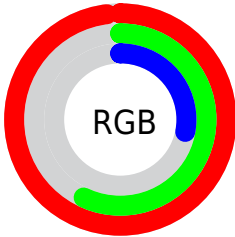
Format	Color
R_{YB}	251, 200, 71
Decimal	16486983
CIE _{Lab}	70.54, 33.81, 55.28
CIE _{LCh}	71, 64.804, 58.548
Yxy	41.5219, 0.4923, 0.3993
Android (android.graphics.Color)	4294677063 (0xFFFB9247)
YUV	168.8450, -48.2376, 72.0499
Hunter-Lab	64.4375, 29.0646, 34.7299

Details

The XYZ color **51.1999, 41.5219, 11.2772** 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 **35.5354, 39.3531, 96.9893**, and the grayscale version is **37.8375, 39.8080, 43.3509**.

A 20% lighter version of the original color is **65.7018, 64.4633, 27.7187**, and **25.0901, 18.8647, 2.8492** is the 20% darker color. If you saturate the color by 10%, you get **48.4403, 37.0368, 7.1704**, and if you desaturate by 10%, it is **54.5829, 46.7224, 17.2325**.

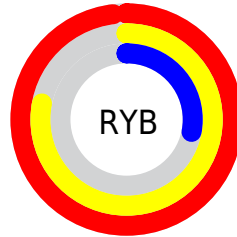
Distribution



Red (98%)

Green (57%)

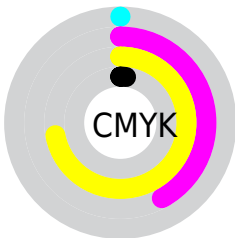
Blue (28%)



Red (98%)

Yellow (78%)

Blue (28%)

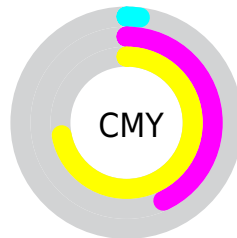


Cyan (0%)

Magenta (42%)

Yellow (72%)

Black (2%)



Cyan (2%)


Magenta (43%)


Yellow (72%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 51.1999, 41.5219, 11.2772 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 51.1999, 41.5219, 11.2772 by changing the saturation by 10% instead.


 51.1999, 41.5219,
11.2772


 51.1999, 41.5219,
11.2772


381.7148,
352.4972, 210.3648

 36.5894, 28.7271,
6.1371


 91.1314, 77.4755,
28.8161

 25.0620, 18.8745,
2.8585


 117.1832,
101.4032, 42.0519


 16.2522, 11.5796,
1.0228


 147.7794,
129.8105, 58.8234

 9.7948, 6.4581,
0.0000

 183.2854,
163.0820, 79.5491

 5.3243, 3.1256,
0.0000

 224.0666,
201.6020, 104.6476

 2.4755, 1.1977,
0.0000

270.4883,

 0.8829, 0.0598,

245.7550, 134.5373

0.0000

322.9160,
295.9252, 169.6369

■ 0.0000, 0.0000,
0.0000

■ 51.1999, 41.5219,
11.2772

■ 51.1999, 41.5219,
11.2772

■ 48.4403, 37.0368,
7.1704

■ 54.5829, 46.7224,
17.2325

■ 46.2464, 33.2213,
4.6748


■ 58.6333, 52.6670,
25.2296


■ 44.7936, 30.5293,
3.5319


■ 63.3935, 59.3902,
35.4397

■ 68.9012, 66.9221,
48.0150

■ 75.1911, 75.2908,
63.0941

 82.2956, 84.5230,
80.8048

 90.2450, 94.6442,
101.2662

 93.5935, 99.2491,
108.8318

Harmonies

Analogous

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



60.4307, 41.5219, 22.4974



51.1999, 41.5219, 11.2772



39.9887, 41.5219, 8.1897

Triad

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



51.1999, 41.5219, 11.2772



22.2675, 41.5219, 43.7344



50.1339, 41.5219, 119.2073

Complementary

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



51.1999, 41.5219, 11.2772



35.5354, 39.3531, 96.9893

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.



38.9466, 41.5219, 133.3675



51.1999, 41.5219, 11.2772



24.0144, 41.5219, 79.6097

Square

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



51.1999, 41.5219, 11.2772



24.3906, 41.5219, 20.9130



29.6765, 41.5219, 116.3818



59.7411, 41.5219, 83.4385

Rectangle

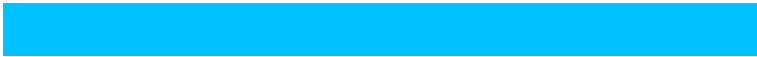
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



51.1999, 41.5219, 11.2772



33.2772, 41.5219, 9.2024



29.6765, 41.5219, 116.3818



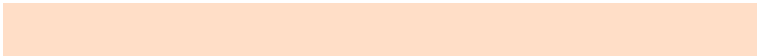
46.3766, 41.5219, 127.2097

Sweetspot

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



51.2008, 41.5241, 11.2780



77.7321, 77.7687, 64.8859



49.8733, 28.1505, 43.8795



16.2430, 16.1246, 12.9285



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.



51.2008, 41.5241, 11.2780



49.1539, 36.5856, 6.1162



70.9162, 80.9548, 17.8497



17.8388, 18.4136, 18.0764



23.6814, 16.3194, 1.9018



2.2953, 1.7154, 0.2101

Inverse Universe

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



35.5354, 39.3531, 96.9893



31.9742, 34.0039, 99.4859



23.3391, 14.9605, 92.9239



17.1243, 18.3253, 22.0199



14.7361, 14.8277, 50.0589



1.4695, 1.5826, 4.6712

Previews

White Background



This preview shows how the XYZ color 51.1999, 41.5219, 11.2772 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 51.1999, 41.5219, 11.2772 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

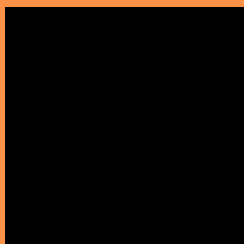
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 51.1999, 41.5219, 11.2772

Background



This preview shows how black text looks on a background with the XYZ color 51.1999, 41.5219, 11.2772.



This preview shows how white text looks on a background with the XYZ color 51.1999, 41.5219,

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

51.1999, 41.5219, 11.2772

Protanopia

38.0931, 41.6581, 13.4302

Deuteranopia

42.5777, 41.5432, 10.9288



Tritanopia

55.6738, 41.5751, 33.1074

Trichromacy



Original Color

51.1999, 41.5219, 11.2772

Protanomaly

41.8423, 40.8623, 12.5194

Deuteranomaly

45.4135, 41.1893, 11.0256

Tritanomaly

53.7881, 41.4766, 22.9402

Monochromacy



Original Color

51.1999, 41.5219, 11.2772

Achromatopsia

37.7116, 39.6755, 43.2066

Achromatomaly

40.5317, 39.3253, 27.6446

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.1999, 41.5219, 11.2772 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(251, 146, 71)` looks like.

```
.text, #text, p{  
    color:rgb(251, 146, 71)  
}
```

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(251, 146, 71) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(251, 146, 71) }
```

Border

The CSS property to change the border of an element to XYZ 51.1999, 41.5219, 11.2772 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(251, 146, 71) }
```


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

```
.border{ border-color:rgb(251, 146, 71) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(251, 146, 71)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(251, 146, 71); -webkit-box-  
shadow:4px 4px 4px 4px rgb(251, 146, 71);  
box-shadow:4px 4px 4px 4px rgb(251, 146,  
71) }
```

Background

The CSS property to change the background color of an element to XYZ 51.1999, 41.5219, 11.2772 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(251, 146, 71) }
```

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

```
.background{ background-color: rgb(251,  
146, 71) }
```

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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