

Converting Colors

XYZ(51.8526, 44.3608, 15.5426)

Have a look what the booklet for
XYZ(51.8526, 44.3608, 15.5426)
contains.

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Color

**XYZ(51.9085, 44.4450,
15.5157)**

Conversions

Conversions Part 1

Format	Color
Hex	F69D5A
RGB	246, 157, 90
RGB Percent	96%, 62%, 35%
CMY	0.0353, 0.3843, 0.6471
CMYK	0.00, 0.36, 0.63, 0.04
HSL	26°, 90%, 66%
HSV	26°, 63%, 96%
XYZ	51.9085, 44.4450, 15.5157
YIQ	175.9730, 74.5510, -1.9690

Conversions

Conversions Part 2

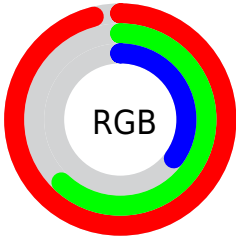
Format	Color
R _Y B	246, 207, 90
Decimal	16162138
CIE Lab	72.52, 27.13, 48.17
CIE LCh	73, 55.278, 60.613
Yxy	44.4450, 0.4640, 0.3973
Android (android.graphics.Color)	4294352218 (0xFFFF69D5A)
YUV	175.9730, -42.3847, 61.4137
Hunter-Lab	66.6671, 22.3167, 32.8682

Details

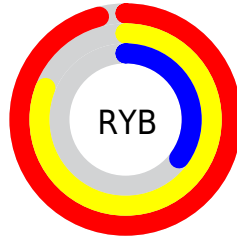
The XYZ color **51.9085, 44.4450, 15.5157** is a light color, and the websafe version is hex **FF9966**. The color can be described as light muted orange. A complement of this color would be **36.9701, 41.0655, 93.1662**, and the grayscale version is **41.4407, 43.5988, 47.4791**.

A 20% lighter version of the original color is **69.6660, 70.3000, 35.4886**, and **25.4422, 20.5706, 4.6371** is the 20% darker color. If you saturate the color by 10%, you get **48.7901, 39.6160, 10.1374**, and if you desaturate by 10%, it is **55.6481, 49.9626, 22.8106**.

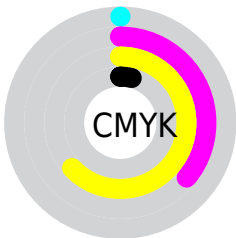
Distribution



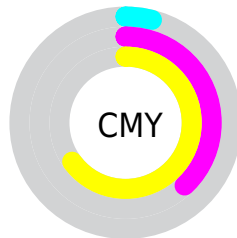
- Red (96%)
- Green (62%)
- Blue (35%)



- Red (96%)
- Yellow (81%)
- Blue (35%)



- Cyan (0%)
- Magenta (36%)
- Yellow (63%)
- Black (4%)





- Cyan (4%)
- Magenta (38%)
- Yellow (65%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 51.9085, 44.4450, 15.5157 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 51.9085, 44.4450, 15.5157 by changing the saturation by 10% instead.


 51.9085, 44.4450,
15.5157


 51.9085, 44.4450,
15.5157


384.4130,
364.5211, 238.2141


 37.1561, 31.0205,
9.0315


 92.1713, 81.8869,
36.5104


 25.5026, 20.6145,
4.6646


 118.4124,
106.6732, 51.8579

 16.5826, 12.8425,
1.9966


 149.2139,
136.0154, 70.9970

 10.0308, 7.3202,
0.5532

 184.9410,
170.2981, 94.3461

 5.4818, 3.6631,
0.0000

225.9591,
209.9057, 122.3239

 2.5703, 1.4870,
0.0000

272.6336,

 0.9308, 0.2795,

255.2224, 155.3487

0.0000

325.3298,
306.6328, 193.8393

■ 0.0000, 0.0000,
0.0000

■ 51.9085, 44.4450,
15.5157

■ 51.9085, 44.4450,
15.5157

■ 48.7901, 39.6160,
10.1374

■ 55.6481, 49.9626,
22.8106

■ 46.2450, 35.4361,
6.4822

■ 60.0453, 56.1917,
32.1848

■ 44.2209, 31.8708,
4.3192

■ 65.1370, 63.1624,
43.7866

■ 43.1252, 29.8315,
3.4851

■ 70.9562, 70.9006,
57.7497

■ 77.5333, 79.4309,
74.1971

84.8971, 88.7766,
93.2434

91.8158, 98.3327,
108.7486

Harmonies

Analogous

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



60.0962, 44.4450, 26.2523



51.9085, 44.4450, 15.5157



42.0477, 44.4450, 12.5584

Triad

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



51.9085, 44.4450, 15.5157



26.4163, 44.4450, 48.9573



52.2995, 44.4450, 109.2155

Complementary

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



51.9085, 44.4450, 15.5157



36.9701, 41.0655, 93.1662

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.



42.4402, 44.4450, 122.3096



51.9085, 44.4450, 15.5157



28.3311, 44.4450, 80.4101

Square

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



51.9085, 44.4450, 15.5157



28.1810, 44.4450, 26.9052



33.8597, 44.4450, 110.1854



60.3448, 44.4450, 79.0520

Rectangle

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



51.9085, 44.4450, 15.5157



36.1043, 44.4450, 13.9769



33.8597, 44.4450, 110.1854



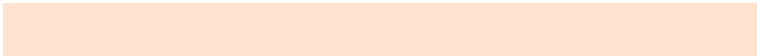
49.0422, 44.4450, 116.1751

Sweetspot

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



51.9095, 44.4473, 15.5165



80.0153, 80.8786, 70.1373



50.0027, 30.2416, 46.9181



16.6994, 16.7546, 13.9525



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.



51.9095, 44.4473, 15.5165



52.1281, 41.6799, 9.7407



68.9902, 78.6086, 21.2101



17.0844, 17.6530, 17.3045



23.1516, 16.1888, 1.9045



2.1347, 1.6226, 0.2007

Inverse Universe

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



36.9701, 41.0655, 93.1662



34.6933, 37.6314, 100.0428



25.7015, 18.5284, 89.4100



16.3659, 17.4962, 21.0571



14.0529, 13.8996, 48.4802



1.3370, 1.4255, 4.2949

Previews

White Background



This preview shows how the XYZ color 51.9085, 44.4450, 15.5157 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 51.9085, 44.4450, 15.5157 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

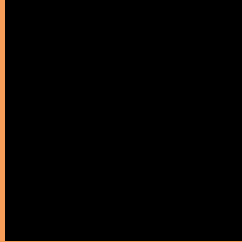
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 51.9085, 44.4450, 15.5157

Background



This preview shows how black text looks on a background with the XYZ color 51.9085, 44.4450, 15.5157.



This preview shows how white text looks on a background with the XYZ color 51.9085, 44.4450,

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

51.9085, 44.4450, 15.5157

Protanopia

40.8430, 44.4396, 17.7343

Deuteranopia

45.6102, 44.6532, 15.2318



Tritanopia

56.8763, 44.5422, 38.8575

Trichromacy



Original Color

51.9085, 44.4450, 15.5157

Protanomaly

44.1267, 43.8537, 16.7286

Deuteranomaly

47.5297, 44.2729, 15.2729

Tritanomaly

54.6683, 44.3455, 28.5999

Monochromacy



Original Color

51.9085, 44.4450, 15.5157

Achromatopsia

41.2663, 43.4154, 47.2793

Achromatomaly

43.3862, 42.8378, 32.7699

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.9085, 44.4450, 15.5157 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(246, 157, 90)` looks like.

```
.text, #text, p{  
    color:rgb(246, 157, 90)  
}
```

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(246, 157, 90) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(246, 157, 90) }
```

Border

The CSS property to change the border of an element to XYZ 51.9085, 44.4450, 15.5157 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(246, 157, 90) }
```


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

```
.border{ border-color:rgb(246, 157, 90) }
```

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

Here you see how a box with a 4 pixel `rgb(246, 157, 90)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(246, 157, 90); -webkit-box-  
shadow:4px 4px 4px 4px rgb(246, 157, 90);  
box-shadow:4px 4px 4px 4px rgb(246, 157,  
90) }
```

Background

The CSS property to change the background color of an element to XYZ 51.9085, 44.4450, 15.5157 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(246, 157, 90) }
```

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

```
.background{ background-color: rgb(246,  
157, 90) }
```

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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