

Converting Colors

XYZ(50.5703, 43.2325, 16.3897)

Have a look what the booklet for
XYZ(50.5703, 43.2325, 16.3897)
contains.

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Color

**XYZ(50.7491, 43.3236,
16.5140)**

Conversions

Conversions Part 1

Format	Color
Hex	F39B5F
RGB	243, 155, 95
RGB Percent	95%, 61%, 37%
CMY	0.0471, 0.3921, 0.6274
CMYK	0.00, 0.36, 0.61, 0.05
HSL	24°, 86%, 66%
HSV	24°, 61%, 95%
XYZ	50.7491, 43.3236, 16.5140
YIQ	174.4720, 71.7080, -0.0040

Conversions

Conversions Part 2

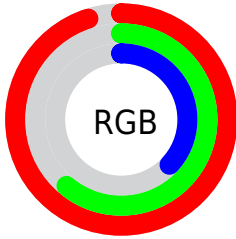
Format	Color
R _Y B	243, 196, 95
Decimal	15965023
CIE Lab	71.77, 27.30, 44.68
CIE LCh	72, 52.355, 58.576
Yxy	43.3236, 0.4589, 0.3918
Android (android.graphics.Color)	4294155103 (0xFFFF39B5F)
YUV	174.4720, -39.1797, 60.0991
Hunter-Lab	65.8207, 22.4410, 31.1990

Details

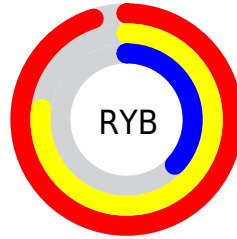
The XYZ color **50.7491, 43.3236, 16.5140** is a light color, and the websafe version is hex **FF9966**. The color can be described as light muted orange. A complement of this color would be **37.8295, 42.7689, 91.0551**, and the grayscale version is **40.6457, 42.7625, 46.5683**.

A 20% lighter version of the original color is **69.5531, 69.4598, 37.3450**, and **24.8718, 19.9650, 5.1275** is the 20% darker color. If you saturate the color by 10%, you get **47.5498, 38.4257, 10.8220**, and if you desaturate by 10%, it is **54.5826, 48.9391, 24.1173**.

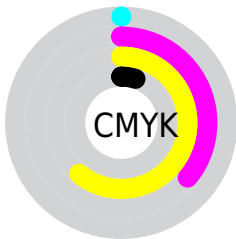
Distribution



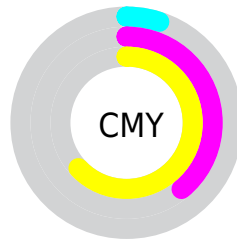
- Red (95%)
- Green (61%)
- Blue (37%)



- Red (95%)
- Yellow (77%)
- Blue (37%)



- Cyan (0%)
- Magenta (36%)
- Yellow (61%)
- Black (5%)



- Cyan (5%)
- Magenta (39%)
- Yellow (63%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 50.7491, 43.3236, 16.5140 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 50.7491, 43.3236, 16.5140 by changing the saturation by 10% instead.

50.7491, 43.3236,
16.5140

50.7491, 43.3236,
16.5140

379.9919,
359.9409, 244.3043

36.2292, 30.1391,
9.7303

90.4690, 80.1990,
38.2674

24.7822, 19.9442,
5.1173

116.3997,
104.6586, 54.0742

16.0427, 12.3545,
2.2563

146.8647,
133.6454, 73.7258

9.6454, 6.9856,
0.7066

182.2294,
167.5438, 97.6407

5.2250, 3.4531,
0.0000

222.8591,
206.7381, 126.2374

2.4160, 1.3726,
0.0000

269.1192,

0.8531, 0.1964,

251.6128, 159.9346

0.0000

321.3750,
302.5523, 199.1507

■ 0.0000, 0.0000,
0.0000

■ 50.7491, 43.3236,
16.5140

■ 50.7491, 43.3236,
16.5140

■ 47.5498, 38.4257,
10.8220

■ 54.5826, 48.9391,
24.1173

■ 44.9382, 34.2053,
6.8603

■ 59.0858, 55.2964,
33.7854

■ 42.8649, 30.6272,
4.4166

■ 64.2949, 62.4264,
45.6586

■ 41.3788, 27.8881,
3.2020

■ 70.2421, 70.3560,
59.8643

■ 76.9578, 79.1108,
76.5201

84.4703, 88.7152,
95.7355

90.7720, 97.7946,
108.6998

Harmonies

Analogous

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



58.0886, 43.3236, 27.4156



50.7491, 43.3236, 16.5140



41.6041, 43.3236, 13.2043

Triad

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



50.7491, 43.3236, 16.5140



26.3433, 43.3236, 45.9656



49.9078, 43.3236, 104.5521

Complementary

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



50.7491, 43.3236, 16.5140



37.8295, 42.7689, 91.0551

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.



40.7543, 43.3236, 114.9941



50.7491, 43.3236, 16.5140



27.9158, 43.3236, 74.6788

Square

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



50.7491, 43.3236, 16.5140



28.2450, 43.3236, 25.9737



32.8926, 43.3236, 102.4971



57.5558, 43.3236, 77.5786

Rectangle

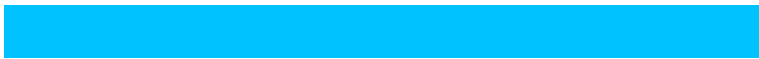
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



50.7491, 43.3236, 16.5140



35.9686, 43.3236, 14.3192



32.8926, 43.3236, 102.4971



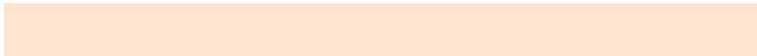
46.8671, 43.3236, 110.4625

Sweetspot

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



50.7501, 43.3258, 16.5148



80.4247, 81.1957, 71.8200



49.6852, 30.6917, 48.5432



16.7659, 16.7902, 14.2747



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.



50.7501, 43.3258, 16.5148



52.3318, 41.7325, 10.9028



66.8261, 75.4777, 21.8735



17.0507, 17.5856, 17.2933



22.8345, 15.5545, 1.7988



2.1051, 1.5634, 0.1908

Inverse Universe

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



37.8295, 42.7689, 91.0551



36.7195, 40.9314, 100.5730



26.4517, 20.0131, 87.2625



16.4004, 17.5651, 21.0686



14.5281, 14.8500, 48.6386



1.3776, 1.5066, 4.3084

Previews

White Background



This preview shows how the XYZ color 50.7491, 43.3236, 16.5140 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 50.7491, 43.3236, 16.5140 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

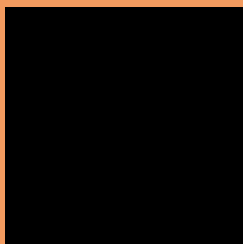
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 50.7491, 43.3236, 16.5140

Background



This preview shows how black text looks on a background with the XYZ color 50.7491, 43.3236, 16.5140.



This preview shows how white text looks on a background with the XYZ color 50.7491, 43.3236,

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

50.7491, 43.3236, 16.5140

Protanopia

39.9658, 43.3674, 19.0963

Deuteranopia

44.2533, 43.3769, 16.1654



Tritanopia

54.9630, 43.1102, 37.7720

Trichromacy



Original Color

50.7491, 43.3236, 16.5140

Protanomaly

43.1669, 42.7742, 18.0377

Deuteranomaly

46.4370, 43.1535, 16.2379

Tritanomaly

53.2856, 43.1548, 28.4429

Monochromacy



Original Color

50.7491, 43.3236, 16.5140

Achromatopsia

40.2316, 42.3268, 46.0938

Achromatomaly

42.4827, 41.8239, 32.6218

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.7491, 43.3236, 16.5140 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(243, 155, 95)` looks like.

```
.text, #text, p{  
    color:rgb(243, 155, 95)  
}
```

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(243, 155, 95) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(243, 155, 95) }
```

Border

The CSS property to change the border of an element to XYZ 50.7491, 43.3236, 16.5140 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(243, 155, 95) }
```


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

```
.border{ border-color:rgb(243, 155, 95) }
```

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

Here you see how a box with a 4 pixel `rgb(243, 155, 95)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(243, 155, 95); -webkit-box-  
shadow:4px 4px 4px 4px rgb(243, 155, 95);  
box-shadow:4px 4px 4px 4px rgb(243, 155,  
95) }
```

Background

The CSS property to change the background color of an element to XYZ 50.7491, 43.3236, 16.5140 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(243, 155, 95) }
```

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

```
.background{ background-color: rgb(243,  
155, 95) }
```

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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