

Converting Colors

XYZ(54.7791, 43.1945, 14.1123)

Have a look what the booklet for
XYZ(54.7791, 43.1945, 14.1123)
contains.

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Color

**XYZ(53.1586, 42.4736,
13.9908)**

Conversions

Conversions Part 1

Format	Color
Hex	FF9255
RGB	255, 146, 85
RGB Percent	100%, 57%, 33%
CMY	0.0000, 0.4274, 0.6667
CMYK	0.00, 0.43, 0.67, 0.00
HSL	22°, 100%, 67%
HSV	22°, 67%, 100%
XYZ	53.1586, 42.4736, 13.9908
YIQ	171.6370, 84.5450, 4.1370

Conversions

Conversions Part 2

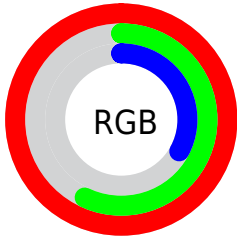
Format	Color
R _Y B	255, 180, 85
Decimal	16749141
CIE Lab	71.20, 36.11, 49.42
CIE LCh	71, 61.202, 53.844
Yxy	42.4736, 0.4849, 0.3875
Android (android.graphics.Color)	4294939221 (0xFFFF9255)
YUV	171.6370, -42.7120, 73.1094
Hunter-Lab	65.1718, 31.5463, 32.8921

Details

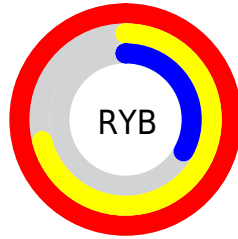
The XYZ color **53.1586, 42.4736, 13.9908** is a light color, and the websafe version is hex **FF9966**. The color can be described as light muted orange. A complement of this color would be **41.0869, 47.7323, 101.6550**, and the grayscale version is **39.2093, 41.2513, 44.9226**.

A 20% lighter version of the original color is **66.6420, 64.8394, 32.6698**, and **26.2984, 19.4642, 3.9610** is the 20% darker color. If you saturate the color by 10%, you get **49.9796, 37.4554, 8.8017**, and if you desaturate by 10%, it is **57.0649, 48.3630, 21.2229**.

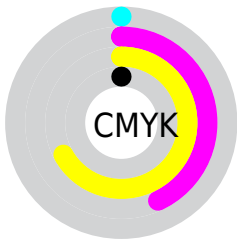
Distribution



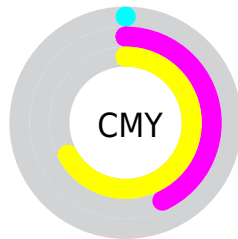
- Red (100%)
- Green (57%)
- Blue (33%)



- Red (100%)
- Yellow (71%)
- Blue (33%)



- Cyan (0%)
- Magenta (43%)
- Yellow (67%)
- Black (0%)



- Cyan (0%)
- Magenta (43%)
- Yellow (67%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 53.1586, 42.4736, 13.9908 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 53.1586, 42.4736, 13.9908 by changing the saturation by 10% instead.


 53.1586, 42.4736,
13.9908


 53.1586, 42.4736,
13.9908


389.1442,
356.4425, 228.6000


 38.1574, 29.4723,
7.9756


 94.0019, 78.9159,
33.7896

 26.2826, 19.4384,
3.9918


 120.5746,
103.1257, 48.4103


 17.1690, 11.9875,
1.6208


 151.7353,
131.8405, 66.7365

 10.4511, 6.7352,
0.3056

 187.8491,
165.4446, 89.1868

 5.7636, 3.2970,
0.0000

 229.2816,
204.3224, 116.1798

 2.7412, 1.2887,
0.0000

276.3981,

 1.0184, 0.1324,

248.8584, 148.1340

0.0000

329.5638,
299.4370, 185.4679

■ 0.0000, 0.0000,
0.0000

■ 53.1586, 42.4736,
13.9908

■ 53.1586, 42.4736,
13.9908

■ 49.9796, 37.4554,
8.8017

■ 57.0649, 48.3630,
21.2229

■ 47.4683, 33.2548,
5.4305

■ 61.7450, 55.1597,
30.6858

■ 45.5574, 29.8206,
3.5990

■ 67.2445, 62.9054,
42.5485

■ 45.0246, 28.8294,
3.1916

■ 73.6042, 71.6371,
56.9626

■ 80.8622, 81.3894,
74.0675

89.0539, 92.1955,
93.9920

95.0498, 99.9999,
108.9000

Harmonies

Analogous

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



61.2277, 42.4736, 26.9658



53.1586, 42.4736, 13.9908



42.5218, 42.4736, 9.7541

Triad

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



53.1586, 42.4736, 13.9908



23.7656, 42.4736, 40.4506



48.8785, 42.4736, 119.5282

Complementary

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



53.1586, 42.4736, 13.9908



41.0869, 47.7323, 101.6550

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.



38.2919, 42.4736, 128.1952



53.1586, 42.4736, 13.9908



24.8852, 42.4736, 73.0421

Square

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



53.1586, 42.4736, 13.9908



26.4485, 42.4736, 20.2869



29.8168, 42.4736, 108.4809



58.4783, 42.4736, 88.2126

Rectangle

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



53.1586, 42.4736, 13.9908



35.8324, 42.4736, 10.2275



29.8168, 42.4736, 108.4809



45.2751, 42.4736, 125.6176

Sweetspot

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



53.1596, 42.4758, 13.9916



78.3406, 78.0227, 68.0576



54.3955, 31.7200, 55.1825



16.3301, 16.1118, 13.5340



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.



53.1596, 42.4758, 13.9916



49.0712, 35.9664, 7.4878



71.0374, 78.2314, 19.9508



18.5428, 19.0538, 18.8448



23.6543, 15.3199, 1.7103



2.4021, 1.6896, 0.1995

Inverse Universe

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



41.0869, 47.7323, 101.6550



36.1007, 41.2948, 100.6757



27.4266, 20.4118, 97.1016



17.9744, 19.3205, 23.0318



16.4672, 17.8439, 52.0109



1.7069, 1.9444, 5.0986

Previews

White Background



This preview shows how the XYZ color 53.1586, 42.4736, 13.9908 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 53.1586, 42.4736, 13.9908 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 53.1586, 42.4736, 13.9908

Background



This preview shows how black text looks on a background with the XYZ color 53.1586, 42.4736, 13.9908.



This preview shows how white text looks on a background with the XYZ color 53.1586, 42.4736,

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

53.1586, 42.4736, 13.9908

Protanopia

39.1338, 42.6926, 17.0044

Deuteranopia

43.4031, 42.4506, 13.4956



Tritanopia

56.2699, 42.5118, 34.0940

Trichromacy



Original Color

53.1586, 42.4736, 13.9908

Protanomaly

43.1881, 41.7533, 15.6805

Deuteranomaly

46.5543, 42.2285, 13.6799

Tritanomaly

54.8284, 42.4113, 25.0351

Monochromacy



Original Color

53.1586, 42.4736, 13.9908

Achromatopsia

39.2122, 41.2543, 44.9259

Achromatomaly

42.1879, 40.6444, 30.4326

CSS Examples

Text

The CSS property to change the color of the text to XYZ 53.1586, 42.4736, 13.9908 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, 146, 85)` looks like.

```
.text, #text, p{  
    color:rgb(255, 146, 85)  
}
```

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, 146, 85) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 146, 85) }
```

Border

The CSS property to change the border of an element to XYZ 53.1586, 42.4736, 13.9908 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, 146, 85) }
```


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

```
.border{ border-color:rgb(255, 146, 85) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 146, 85)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 146, 85); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 146, 85);  
box-shadow:4px 4px 4px 4px rgb(255, 146,  
85) }
```

Background

The CSS property to change the background color of an element to XYZ 53.1586, 42.4736, 13.9908 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 146, 85) }
```

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

```
.background{ background-color: rgb(255,  
146, 85) }
```

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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