

Converting Colors

XYZ(53.3326, 42.1765, 16.0380)

Have a look what the booklet for
XYZ(53.3326, 42.1765, 16.0380)
contains.

XYZ(53.4310, 42.3370, 16.1822)	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(53.4310, 42.3370,
16.1822)**

Conversions

Conversions Part 1

Format	Color
Hex	FF915F
RGB	255, 145, 95
RGB Percent	100%, 57%, 37%
CMY	0.0000, 0.4313, 0.6274
CMYK	0.00, 0.43, 0.63, 0.00
HSL	19°, 100%, 69%
HSV	19°, 63%, 100%
XYZ	53.4310, 42.3370, 16.1822
YIQ	172.1900, 81.6100, 7.7700

Conversions

Conversions Part 2

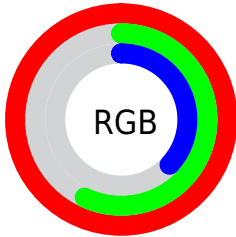
Format	Color
R_{YB}	255, 168, 95
Decimal	16748895
CIE _{Lab}	71.10, 37.21, 44.24
CIE _{LCh}	71, 57.809, 49.929
Yxy	42.3370, 0.4773, 0.3782
Android (android.graphics.Color)	4294938975 (0xFFFF915F)
YUV	172.1900, -38.0547, 72.6244
Hunter-Lab	65.0669, 32.7119, 30.8013

Details

The XYZ color **53.4310, 42.3370, 16.1822** 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 **44.5993, 53.3127, 102.5471**, and the grayscale version is **39.4678, 41.5232, 45.2188**.

A 20% lighter version of the original color is **67.1607, 64.6751, 36.5476**, and **26.3998, 19.3634, 4.9309** is the 20% darker color. If you saturate the color by 10%, you get **49.9808, 36.9981, 10.2193**, and if you desaturate by 10%, it is **57.6758, 48.6587, 24.2815**.

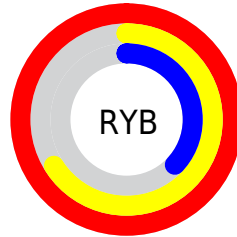
Distribution



Red (100%)

Green (57%)

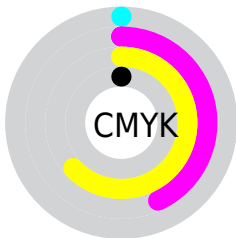
Blue (37%)



Red (100%)

Yellow (66%)

Blue (37%)

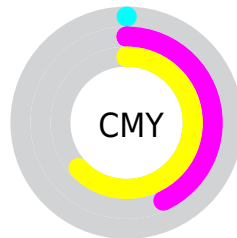


Cyan (0%)

Magenta (43%)

Yellow (63%)

Black (0%)



Cyan (0%)


Magenta (43%)


Yellow (63%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 53.4310, 42.3370, 16.1822 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 53.4310, 42.3370, 16.1822 by changing the saturation by 10% instead.


 53.4310, 42.3370,
16.1822


 53.4310, 42.3370,
16.1822


390.1704,
355.8780, 242.2968

 38.3758, 29.3653,
9.4974


 94.4001, 78.7094,
37.6854


 26.4530, 19.3573,
4.9658


 121.0447,
102.8789, 53.3409

 17.2973, 11.9287,
2.1688


 152.2831,
131.5497, 72.8238

 10.5433, 6.6952,
0.6563


 188.4807,
165.1063, 96.5525

 5.8257, 3.2722,
0.0000

230.0029,
203.9330, 124.9456

 2.7790, 1.2754,
0.0000

277.2150,

 1.0380, 0.1221,

248.4143, 158.4216

0.0000

330.4824,
298.9345, 197.3992

■ 0.0000, 0.0000,
0.0000

■ 53.4310, 42.3370,
16.1822

■ 53.4310, 42.3370,
16.1822

■ 49.9808, 36.9981,
10.2193

■ 57.6758, 48.6587,
24.2815

■ 47.2647, 32.5822,
6.1809

■ 62.7632, 56.0052,
34.6969

■ 45.2165, 29.0319,
3.8146

■ 68.7407, 64.4240,
47.5912

■ 44.0864, 26.9530,
2.8788

■ 75.6511, 73.9574,
63.1121

■ 83.5343, 84.6454,
81.3956

92.4276, 96.5258,
102.5679

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.



60.3664, 42.3370, 30.2293



53.4310, 42.3370, 16.1822



43.5788, 42.3370, 11.0393

Triad

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



53.4310, 42.3370, 16.1822



24.5729, 42.3370, 37.4013



46.9142, 42.3370, 116.4401

Complementary

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



53.4310, 42.3370, 16.1822



44.5993, 53.3127, 102.5471

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.



37.0763, 42.3370, 120.8869



53.4310, 42.3370, 16.1822



25.1728, 42.3370, 66.7279

Square

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



53.4310, 42.3370, 16.1822



27.6259, 42.3370, 19.6192



29.4212, 42.3370, 100.0136



56.2062, 42.3370, 89.5600

Rectangle

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



53.4310, 42.3370, 16.1822



37.1193, 42.3370, 11.0304



29.4212, 42.3370, 100.0136



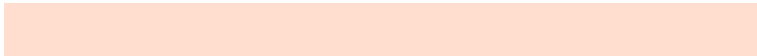
43.5309, 42.3370, 120.9305

Sweetspot

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



53.4320, 42.3392, 16.1830



78.4872, 77.8224, 69.6279



56.5947, 33.9496, 62.6017



16.3332, 16.0221, 13.8304



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.



53.4320, 42.3392, 16.1830



49.3064, 35.9234, 9.1485



69.6931, 74.8615, 21.6034



18.4725, 18.9132, 18.8213



23.1528, 14.3168, 1.5431



2.3470, 1.5793, 0.1811

Inverse Universe

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



44.5993, 53.3127, 102.5471



39.7141, 47.4335, 101.6702



30.3589, 24.8320, 97.8003



18.0479, 19.4674, 23.0563



17.6120, 20.1336, 52.3925



1.8125, 2.1557, 5.1338

Previews

White Background



This preview shows how the XYZ color 53.4310, 42.3370, 16.1822 looks on a white background.

Color Contrast Check

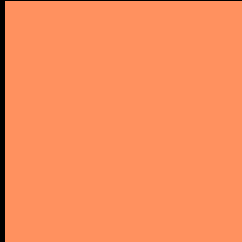
Large Text (above 18pt) WCAG AA × Fail

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 53.4310, 42.3370, 16.1822 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

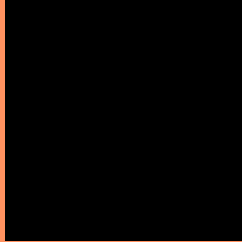
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 53.4310, 42.3370, 16.1822

Background



This preview shows how black text looks on a background with the XYZ color 53.4310, 42.3370, 16.1822.



This preview shows how white text looks on a background with the XYZ color 53.4310, 42.3370,

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

53.4310, 42.3370, 16.1822

Protanopia

39.4173, 42.7769, 19.8149

Deuteranopia

43.2132, 42.3068, 15.5613



Tritanopia

56.1231, 42.2182, 34.0451

Trichromacy



Original Color

53.4310, 42.3370, 16.1822

Protanomaly

43.4053, 41.8064, 18.3521

Deuteranomaly

46.4717, 41.8844, 15.7604

Tritanomaly

54.9423, 42.2177, 26.3722

Monochromacy



Original Color

53.4310, 42.3370, 16.1822

Achromatopsia

39.2122, 41.2543, 44.9259

Achromatomaly

42.3115, 40.4108, 31.9556

CSS Examples

Text

The CSS property to change the color of the text to XYZ 53.4310, 42.3370, 16.1822 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, 95)` looks like.

```
.text, #text, p{  
    color:rgb(255, 145, 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(255, 145, 95) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 145, 95) }
```

Border

The CSS property to change the border of an element to XYZ 53.4310, 42.3370, 16.1822 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, 95) }
```


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

```
.border{ border-color:rgb(255, 145, 95) }
```

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, 95)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 145, 95); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 145, 95);  
box-shadow:4px 4px 4px 4px rgb(255, 145,  
95) }
```

Background

The CSS property to change the background color of an element to XYZ 53.4310, 42.3370, 16.1822 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, 95) }
```

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

```
.background{ background-color: rgb(255,  
145, 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](#).

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