

Converting Colors

XYZ(53.7775, 43.2579, 15.5950)

Have a look what the booklet for
XYZ(53.7775, 43.2579, 15.5950)
contains.

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Color

**XYZ(53.7617, 43.2125,
15.6325)**

Conversions

Conversions Part 1

Format	Color
Hex	FF945C
RGB	255, 148, 92
RGB Percent	100%, 58%, 36%
CMY	0.0000, 0.4196, 0.6392
CMYK	0.00, 0.42, 0.64, 0.00
HSL	21°, 100%, 68%
HSV	21°, 64%, 100%
XYZ	53.7617, 43.2125, 15.6325
YIQ	173.6090, 81.7480, 5.2680

Conversions

Conversions Part 2

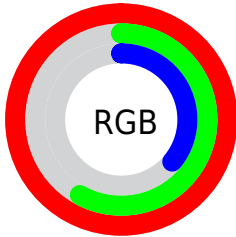
Format	Color
R_YB	255, 177, 92
Decimal	16749660
CIE _{Lab}	71.70, 35.49, 46.48
CIE _{LCh}	72, 58.482, 52.634
Yxy	43.2125, 0.4774, 0.3837
Android (android.graphics.Color)	4294939740 (0xFFFF945C)
YUV	173.6090, -40.2332, 71.3799
Hunter-Lab	65.7362, 30.9460, 31.9158

Details

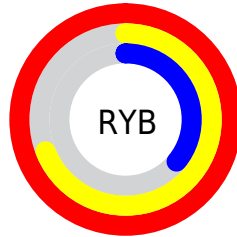
The XYZ color **53.7617, 43.2125, 15.6325** is a light color, and the websafe version is hex **FF9966**. The color can be described as light muted orange. A complement of this color would be **42.8857, 50.3394, 102.0635**, and the grayscale version is **40.2030, 42.2967, 46.0611**.

A 20% lighter version of the original color is **67.6300, 65.9855, 35.5575**, and **26.6112, 19.8776, 4.7197** is the 20% darker color. If you saturate the color by 10%, you get **50.3905, 37.9642, 9.9041**, and if you desaturate by 10%, it is **57.8896, 49.3747, 23.4638**.

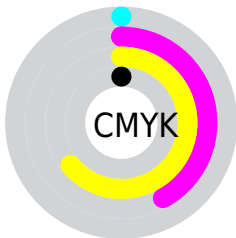
Distribution



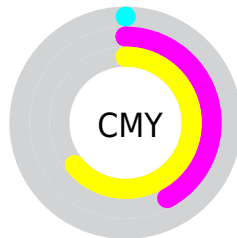
- Red (100%)
- Green (58%)
- Blue (36%)



- Red (100%)
- Yellow (69%)
- Blue (36%)



- Cyan (0%)
- Magenta (42%)
- Yellow (64%)
- Black (0%)




- Cyan (0%)
- Magenta (42%)
- Yellow (64%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 53.7617, 43.2125, 15.6325 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 53.7617, 43.2125, 15.6325 by changing the saturation by 10% instead.


 53.7617, 43.2125,
15.6325


 53.7617, 43.2125,
15.6325


391.4138,
359.4849, 238.9345

 38.6411, 30.0519,
9.1130


 94.8832, 80.0314,
36.7169

 26.6601, 19.8780,
4.7171


 121.6148,
104.4585, 52.1188

 17.4534, 12.3064,
2.0264


 152.9475,
133.4099, 71.3186

 10.6556, 6.9527,
0.5715

 189.2465,
167.2700, 94.7348

 5.9013, 3.4325,
0.0000

230.8773,
206.4231, 122.7859

 2.8252, 1.3615,
0.0000

278.2053,

 1.0620, 0.1881,

251.2537, 155.8906

0.0000

331.5956,
302.1462, 194.4673

■ 0.0000, 0.0000,
0.0000

■ 53.7617, 43.2125,
15.6325

■ 53.7617, 43.2125,
15.6325

■ 50.3905, 37.9642,
9.9041

■ 57.8896, 49.3747,
23.4638

■ 47.7175, 33.5748,
6.0636

■ 62.8203, 56.4880,
33.5795

■ 45.6780, 29.9925,
3.8525

■ 68.5994, 64.5955,
46.1439

■ 44.6982, 28.1767,
3.0828

■ 75.2679, 73.7357,
61.3052

■ 82.8639, 83.9445,
79.2000

91.4233, 95.2562,
99.9551

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.



61.2986, 43.2125, 29.0133



53.7617, 43.2125, 15.6325



43.5650, 43.2125, 11.0206

Triad

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



53.7617, 43.2125, 15.6325



24.9192, 43.2125, 40.3928



48.8536, 43.2125, 117.5688

Complementary

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



53.7617, 43.2125, 15.6325



42.8857, 50.3394, 102.0635

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.



38.6763, 43.2125, 124.6179



53.7617, 43.2125, 15.6325



25.8705, 43.2125, 71.3432

Square

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



53.7617, 43.2125, 15.6325



27.7083, 43.2125, 21.0866



30.5552, 43.2125, 105.1450



58.1618, 43.2125, 88.5706

Rectangle

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



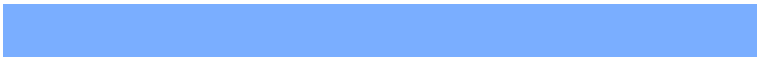
53.7617, 43.2125, 15.6325



37.0424, 43.2125, 11.3549



30.5552, 43.2125, 105.1450



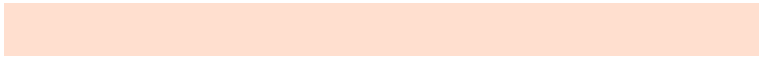
45.3842, 43.2125, 122.9575

Sweetspot

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



53.7627, 43.2148, 15.6333



78.8880, 78.6239, 69.7615



55.5706, 33.1159, 58.5162



16.4290, 16.2138, 13.8623



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.



53.7627, 43.2148, 15.6333



49.4960, 36.5234, 8.5312



70.8692, 77.4277, 21.3354



18.5196, 19.0074, 18.8370



23.4803, 14.9718, 1.6523



2.3832, 1.6518, 0.1932

Inverse Universe

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



42.8857, 50.3394, 102.0635



37.7169, 43.9071, 101.0948



29.0806, 22.7290, 97.4617



17.9986, 19.3688, 23.0399



16.8333, 18.5762, 52.1329



1.7408, 2.0123, 5.1099

Previews

White Background



This preview shows how the XYZ color 53.7617, 43.2125, 15.6325 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 53.7617, 43.2125, 15.6325 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 53.7617, 43.2125, 15.6325

Background



This preview shows how black text looks on a background with the XYZ color 53.7617, 43.2125, 15.6325.



This preview shows how white text looks on a background with the XYZ color 53.7617, 43.2125,

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

53.7617, 43.2125, 15.6325

Protanopia

39.9159, 43.3474, 18.8335

Deuteranopia

44.3794, 43.4616, 15.2824



Tritanopia

56.8122, 43.2048, 35.4820

Trichromacy



Original Color

53.7617, 43.2125, 15.6325



Protanomaly

44.1597, 42.7532, 17.4800



Deuteranomaly

47.5030, 43.1999, 15.2859



Tritanomaly

55.4621, 43.1495, 26.8782

Monochromacy



Original Color

53.7617, 43.2125, 15.6325



Achromatopsia

40.2316, 42.3268, 46.0938



Achromatomaly

43.1178, 41.6204, 32.1465

CSS Examples

Text

The CSS property to change the color of the text to XYZ 53.7617, 43.2125, 15.6325 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, 148, 92)` looks like.

```
.text, #text, p{  
    color:rgb(255, 148, 92)  
}
```

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, 148, 92) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 148, 92) }
```

Border

The CSS property to change the border of an element to XYZ 53.7617, 43.2125, 15.6325 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, 148, 92) }
```


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

```
.border{ border-color:rgb(255, 148, 92) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 148, 92)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 148, 92); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 148, 92);  
box-shadow:4px 4px 4px 4px rgb(255, 148,  
92) }
```

Background

The CSS property to change the background color of an element to XYZ 53.7617, 43.2125, 15.6325 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 148, 92) }
```

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

```
.background{ background-color: rgb(255,  
148, 92) }
```

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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