

Converting Colors

XYZ(87.4395, 61.9864, 20.4526)

Have a look what the booklet for
XYZ(87.4395, 61.9864, 20.4526)
contains.

XYZ(55.2943, 45.3707, 18.9398)	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(55.2943, 45.3707,
18.9398)**

Conversions

Conversions Part 1

Format	Color
Hex	FF9A68
RGB	255, 154, 104
RGB Percent	100%, 60%, 41%
CMY	0.0000, 0.3960, 0.5922
CMYK	0.00, 0.40, 0.59, 0.00
HSL	20°, 100%, 70%
HSV	20°, 59%, 100%
XYZ	55.2943, 45.3707, 18.9398
YIQ	178.4990, 76.2460, 5.8620

Conversions

Conversions Part 2

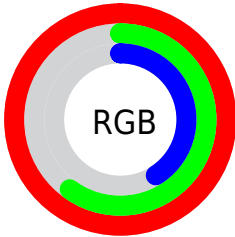
Format	Color
R_{YB}	255, 179, 104
Decimal	16751208
CIE _{Lab}	73.14, 33.19, 42.04
CIE _{LCh}	73, 53.563, 51.704
Yxy	45.3707, 0.4623, 0.3793
Android (android.graphics.Color)	4294941288 (0xFFFF9A68)
YUV	178.4990, -36.7280, 67.0914
Hunter-Lab	67.3578, 28.6553, 30.4792

Details

The XYZ color **55.2943, 45.3707, 18.9398** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **45.5889, 53.8228, 102.5933**, and the grayscale version is **42.7430, 44.9690, 48.9712**.

A 20% lighter version of the original color is **70.0412, 69.2612, 41.1297**, and **27.6891, 21.2479, 6.2563** is the 20% darker color. If you saturate the color by 10%, you get **51.5719, 39.6949, 12.2462**, and if you desaturate by 10%, it is **59.8104, 52.0077, 27.8303**.

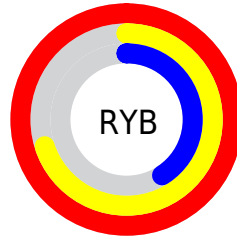
Distribution



Red (100%)

Green (60%)

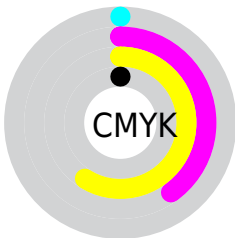
Blue (41%)



Red (100%)

Yellow (70%)

Blue (41%)

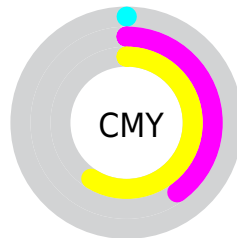


Cyan (0%)

Magenta (40%)

Yellow (59%)

Black (0%)



Cyan (0%)


Magenta (40%)


Yellow (59%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 55.2943, 45.3707, 18.9398 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 55.2943, 45.3707, 18.9398 by changing the saturation by 10% instead.


 55.2943, 45.3707,
18.9398


 55.2943, 45.3707,
18.9398


397.1448,
368.2728, 258.5279


 39.8722, 31.7495,
11.4504


 97.1178, 83.2764,
42.4677


 27.6227, 21.1702,
6.2527


 124.2499,
108.3297, 59.3433

 18.1804, 13.2485,
2.9281


 156.0161,
137.9625, 80.1847

 11.1801, 7.5999,
1.0580

 192.7816,
172.5592, 105.4105

 6.2563, 3.8400,
0.0000

234.9119,
212.5042, 135.4391

 3.0437, 1.5845,
0.0000

282.7723,

 1.1769, 0.3471,

258.1819, 170.6892

0.0000

336.7282,
309.9766, 211.5793

■ 0.0880, 0.0000,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 55.2943, 45.3707,
18.9398

■ 55.2943, 45.3707,
18.9398

■ 51.5719, 39.6949,
12.2462

■ 59.8104, 52.0077,
27.8303

■ 48.5865, 34.9251,
7.5488

■ 65.1647, 59.6432,
39.0888

■ 46.2780, 31.0104,
4.6141

■ 71.4019, 68.3211,
52.8724

■ 44.5615, 27.8858,
3.0913

■ 78.5624, 78.0800,
69.3237

■ 44.4450, 27.6703,
2.9984

■ 86.6840, 88.9568,
88.5748

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.



62.1452, 45.3707, 32.6550



55.2943, 45.3707, 18.9398



45.7785, 45.3707, 13.8894

Triad

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



55.2943, 45.3707, 18.9398



27.6251, 45.3707, 42.3167



50.1433, 45.3707, 114.6113

Complementary

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



55.2943, 45.3707, 18.9398



45.5889, 53.8228, 102.5933

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.



40.5732, 45.3707, 120.1692



55.2943, 45.3707, 18.9398



28.4430, 45.3707, 71.0713

Square

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



55.2943, 45.3707, 18.9398



30.4607, 45.3707, 23.8064



32.8841, 45.3707, 102.0400



58.8838, 45.3707, 88.8239

Rectangle

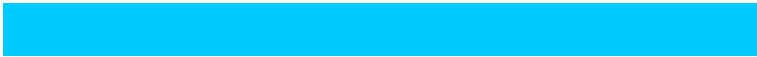
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



55.2943, 45.3707, 18.9398



39.5672, 45.3707, 14.1196



32.8841, 45.3707, 102.0400



46.8867, 45.3707, 119.2069

Sweetspot

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



55.2954, 45.3730, 18.9406



79.4975, 79.3415, 71.5110



57.4752, 35.6748, 63.0058



16.5416, 16.3417, 14.1999



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.



55.2954, 45.3730, 18.9406



50.9867, 38.7785, 11.2674



71.2943, 77.3709, 24.2736



18.5007, 18.9697, 18.8307



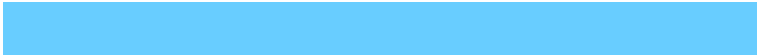
23.3450, 14.7011, 1.6072



2.3684, 1.6221, 0.1883

Inverse Universe

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



45.5889, 53.8228, 102.5933



40.3947, 47.7229, 101.6902



31.9676, 26.5802, 98.0529



18.0183, 19.4082, 23.0464



17.1395, 19.1885, 52.2350



1.7691, 2.0689, 5.1194

Previews

White Background



This preview shows how the XYZ color 55.2943, 45.3707, 18.9398 looks on a white background.

Color Contrast Check

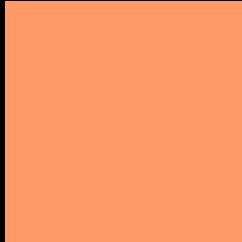
Large Text (above 18pt) WCAG AA × Fail

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 55.2943, 45.3707, 18.9398 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 55.2943, 45.3707, 18.9398

Background



This preview shows how black text looks on a background with the XYZ color 55.2943, 45.3707, 18.9398.



This preview shows how white text looks on a background with the XYZ color 55.2943, 45.3707,

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

55.2943, 45.3707, 18.9398

Protanopia

42.1235, 45.5932, 22.4998

Deuteranopia

46.5680, 45.6408, 18.4117



Tritanopia

58.2455, 45.2581, 38.4667

Trichromacy



Original Color

55.2943, 45.3707, 18.9398

Protanomaly

45.9927, 45.0033, 21.0143

Deuteranomaly

49.4084, 45.1735, 18.4272

Tritanomaly

56.9668, 45.2573, 30.1591

Monochromacy



Original Color

55.2943, 45.3707, 18.9398

Achromatopsia

42.8472, 45.0786, 49.0906

Achromatomaly

45.7743, 44.2818, 35.8404

CSS Examples

Text

The CSS property to change the color of the text to XYZ 55.2943, 45.3707, 18.9398 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, 154, 104)` looks like.

```
.text, #text, p{  
    color:rgb(255, 154, 104)  
}
```

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, 154, 104) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 154, 104) }
```

Border

The CSS property to change the border of an element to XYZ 55.2943, 45.3707, 18.9398 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, 154, 104) }
```


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

```
.border{ border-color:rgb(255, 154, 104) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 154, 104)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 154, 104); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 154, 104);  
box-shadow:4px 4px 4px 4px rgb(255, 154,  
104) }
```

Background

The CSS property to change the background color of an element to XYZ 55.2943, 45.3707, 18.9398 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 154, 104) }
```

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

```
.background{ background-color: rgb(255,  
154, 104) }
```

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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