

Converting Colors

XYZ(88.8392, 62.3656, 20.4222)

Have a look what the booklet for
XYZ(88.8392, 62.3656, 20.4222)
contains.

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Color

**XYZ(55.1299, 45.0419,
18.8850)**

Conversions

Conversions Part 1

Format	Color
Hex	FF9968
RGB	255, 153, 104
RGB Percent	100%, 60%, 41%
CMY	0.0000, 0.4000, 0.5922
CMYK	0.00, 0.40, 0.59, 0.00
HSL	19°, 100%, 70%
HSV	19°, 59%, 100%
XYZ	55.1299, 45.0419, 18.8850
YIQ	177.9120, 76.5210, 6.3850

Conversions

Conversions Part 2

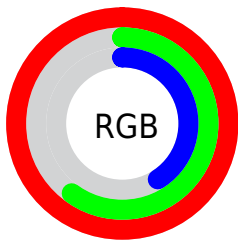
Format	Color
R_{YB}	255, 177, 104
Decimal	16750952
CIE _{Lab}	72.92, 33.71, 41.77
CIE _{LCh}	73, 53.679, 51.097
Yxy	45.0419, 0.4631, 0.3783
Android (android.graphics.Color)	4294941032 (0xFFFF9968)
YUV	177.9120, -36.4386, 67.6062
Hunter-Lab	67.1133, 29.1798, 30.2957

Details

The XYZ color **55.1299, 45.0419, 18.8850** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **45.8289, 54.3028, 102.6733**, and the grayscale version is **42.4298, 44.6394, 48.6123**.

A 20% lighter version of the original color is **69.7966, 68.7721, 41.0481**, and **27.5914, 21.0525, 6.2237** is the 20% darker color. If you saturate the color by 10%, you get **51.4066, 39.3645, 12.1911**, and if you desaturate by 10%, it is **59.6538, 51.6945, 27.7781**.

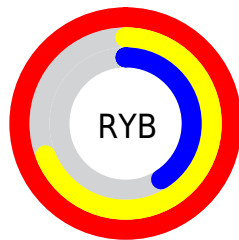
Distribution



Red (100%)

Green (60%)

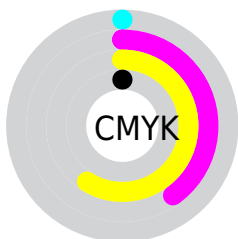
Blue (41%)



Red (100%)

Yellow (69%)

Blue (41%)

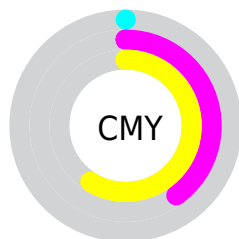


Cyan (0%)

Magenta (40%)

Yellow (59%)

Black (0%)



Cyan (0%)


Magenta (40%)


Yellow (59%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 55.1299, 45.0419, 18.8850 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 55.1299, 45.0419, 18.8850 by changing the saturation by 10% instead.


 55.1299, 45.0419,
18.8850

 55.1299, 45.0419,
18.8850


396.5326,
366.9432, 258.2147


 39.7400, 31.4904,
11.4112


 96.8785, 82.7833,
42.3738


 27.5192, 20.9726,
6.2265


 123.9678,
107.7420, 59.2259

 18.1021, 13.1040,
2.9123


 155.6877,
137.2719, 80.0412

 11.1235, 7.5002,
1.0500

 192.4035,
171.7574, 105.2383

 6.2178, 3.7768,
0.0000

234.4805,
211.5829, 135.2356

 3.0199, 1.5495,
0.0000

282.2841,

 1.1643, 0.3232,

257.1328, 170.4518

0.0000

336.1797,
308.7914, 211.3053

■ 0.0779, 0.0000,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 55.1299, 45.0419,
18.8850

■ 55.1299, 45.0419,
18.8850

■ 51.4066, 39.3645,
12.1911

■ 59.6538, 51.6945,
27.7781

■ 48.4269, 34.6059,
7.4956

■ 65.0234, 59.3607,
39.0417

■ 46.1297, 30.7139,
4.5647

■ 71.2839, 68.0851,
52.8330

■ 44.4297, 27.6222,
3.0474

■ 78.4762, 77.9075,
69.2949

■ 44.3146, 27.4095,
2.9549

■ 86.6384, 88.8655,
88.5595

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.



61.8811, 45.0419, 32.7392



55.1299, 45.0419, 18.8850



45.6556, 45.0419, 13.7240

Triad

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



55.1299, 45.0419, 18.8850



27.3857, 45.0419, 41.4945



49.6174, 45.0419, 114.5146

Complementary

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



55.1299, 45.0419, 18.8850



45.8289, 54.3028, 102.6733

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.



40.0870, 45.0419, 119.5721



55.1299, 45.0419, 18.8850



28.1264, 45.0419, 70.0205

Square

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



55.1299, 45.0419, 18.8850



30.2832, 45.0419, 23.2836



32.4792, 45.0419, 101.0477



58.3901, 45.0419, 89.0296

Rectangle

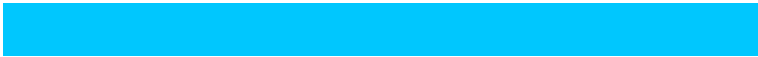
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



55.1299, 45.0419, 18.8850



39.4414, 45.0419, 13.8710



32.4792, 45.0419, 101.0477



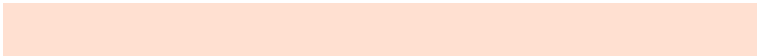
46.3671, 45.0419, 118.9527

Sweetspot

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



55.1310, 45.0442, 18.8858



79.4158, 79.1779, 71.4837



57.4752, 35.6748, 63.0058



16.5219, 16.3022, 14.1933



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.



55.1310, 45.0442, 18.8858



50.8221, 38.4492, 11.2126



71.2943, 77.3709, 24.2736



18.4907, 18.9496, 18.8274



23.2752, 14.5616, 1.5839



2.3606, 1.6066, 0.1857

Inverse Universe

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



45.8289, 54.3028, 102.6733



40.6646, 48.2626, 101.7801



31.9676, 26.5802, 98.0529



18.0288, 19.4292, 23.0499



17.3056, 19.5208, 52.2904



1.7844, 2.0995, 5.1245

Previews

White Background



This preview shows how the XYZ color 55.1299, 45.0419, 18.8850 looks on a white background.

Color Contrast Check

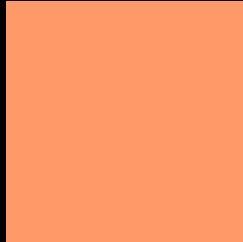
Large Text (above 18pt) WCAG AA × Fail

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 55.1299, 45.0419, 18.8850 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 55.1299, 45.0419, 18.8850

Background



This preview shows how black text looks on a background with the XYZ color 55.1299, 45.0419, 18.8850.



This preview shows how white text looks on a background with the XYZ color 55.1299, 45.0419,

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

55.1299, 45.0419, 18.8850

Protanopia

41.6630, 45.0572, 22.4206

Deuteranopia

46.0766, 45.1060, 18.3344



Tritanopia

58.0015, 44.9084, 37.9589

Trichromacy



Original Color

55.1299, 45.0419, 18.8850

Protanomaly

45.8045, 44.6270, 20.9516

Deuteranomaly

48.9031, 44.6463, 18.3520

Tritanomaly

56.7338, 44.9077, 29.7226

Monochromacy



Original Color

55.1299, 45.0419, 18.8850

Achromatopsia

42.3164, 44.5201, 48.4824

Achromatomaly

45.2275, 43.7321, 35.3356

CSS Examples

Text

The CSS property to change the color of the text to XYZ 55.1299, 45.0419, 18.8850 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, 153, 104)` looks like.

```
.text, #text, p{  
    color:rgb(255, 153, 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, 153, 104) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 153, 104) }
```

Border

The CSS property to change the border of an element to XYZ 55.1299, 45.0419, 18.8850 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, 153, 104) }
```


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

```
.border{ border-color:rgb(255, 153, 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, 153, 104)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 153, 104); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 153, 104);  
box-shadow:4px 4px 4px 4px rgb(255, 153,  
104) }
```

Background

The CSS property to change the background color of an element to XYZ 55.1299, 45.0419, 18.8850 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 153, 104) }
```

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

```
.background{ background-color: rgb(255,  
153, 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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