

Converting Colors

XYZ(55.9682, 45.1720, 23.9322)

Have a look what the booklet for
XYZ(55.9682, 45.1720, 23.9322)
contains.

XYZ(55.9194, 45.0969, 23.8465)	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(55.9194, 45.0969,
23.8465)**

Conversions

Conversions Part 1

Format	Color
Hex	FF9879
RGB	255, 152, 121
RGB Percent	100%, 60%, 47%
CMY	0.0000, 0.4039, 0.5255
CMYK	0.00, 0.40, 0.53, 0.00
HSL	14°, 100%, 74%
HSV	14°, 53%, 100%
XYZ	55.9194, 45.0969, 23.8465
YIQ	179.2630, 71.3390, 12.1950

Conversions

Conversions Part 2

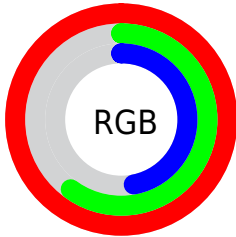
Format	Color
R_{YB}	255, 161, 121
Decimal	16750713
CIE Lab	72.96, 35.54, 32.82
CIE LCh	73, 48.371, 42.722
Yxy	45.0969, 0.4478, 0.3612
Android (android.graphics.Color)	4294940793 (0xFFFF9879)
YUV	179.2630, -28.7237, 66.4213
Hunter-Lab	67.1542, 31.1173, 25.9540

Details

The XYZ color **55.9194, 45.0969, 23.8465** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **52.5893, 64.5931, 104.3033**, and the grayscale version is **43.1110, 45.3561, 49.3928**.

A 20% lighter version of the original color is **71.1928, 68.9416, 49.5992**, and **27.9750, 21.0516, 8.7198** is the 20% darker color. If you saturate the color by 10%, you get **51.6349, 38.7086, 15.6964**, and if you desaturate by 10%, it is **61.1450, 52.7064, 34.3498**.

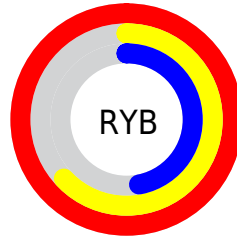
Distribution



Red (100%)

Green (60%)

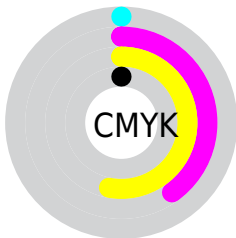
Blue (47%)



Red (100%)

Yellow (63%)

Blue (47%)

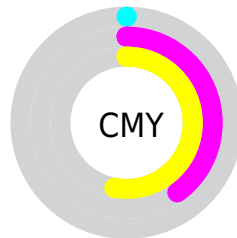


Cyan (0%)

Magenta (40%)

Yellow (53%)

Black (0%)



Cyan (0%)


Magenta (40%)


Yellow (53%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 55.9194, 45.0969, 23.8465 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 55.9194, 45.0969, 23.8465 by changing the saturation by 10% instead.


 55.9194, 45.0969,
23.8465


 55.9194, 45.0969,
23.8465


399.4676,
367.1659, 285.3050


 40.3751, 31.5338,
15.0086


 98.0272, 82.8658,
50.7203

 28.0166, 21.0056,
8.6788


 125.3214,
107.8404, 69.5933

 18.4787, 13.1281,
4.4383


 157.2629,
137.3875, 92.6484

 11.3960, 7.5168,
1.8687

194.2171,
171.8916, 120.3042

 6.4031, 3.7874,
0.4727

236.5493,
211.7371, 152.9793

 3.1347, 1.5553,
0.0000

284.6249,

 1.2254, 0.3272,

257.3084, 191.0921

0.0000

338.8092,
308.9899, 235.0611

■ 0.1263, 0.0000,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 55.9194, 45.0969,
23.8465

■ 55.9194, 45.0969,
23.8465

■ 51.6349, 38.7086,
15.6964

■ 61.1450, 52.7064,
34.3498

■ 48.2291, 33.4696,
9.7129

■ 67.3622, 61.5901,
47.3682

■ 45.6366, 29.3109,
5.6849

■ 74.6215, 71.8062,
63.0521

■ 43.7801, 26.1524,
3.3566

■ 82.9691, 83.4072,
81.5393

■ 42.8040, 24.3882,
2.4514

■ 92.4481, 96.4427,
102.9580

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.



60.7141, 45.0969, 39.5657



55.9194, 45.0969, 23.8465



47.8640, 45.0969, 16.7593

Triad

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



55.9194, 45.0969, 23.8465



29.1643, 45.0969, 36.5566



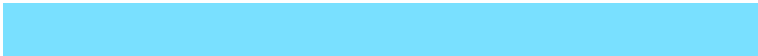
46.5359, 45.0969, 109.7922

Complementary

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



55.9194, 45.0969, 23.8465



52.5893, 64.5931, 104.3033

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.



38.2235, 45.0969, 108.1659



55.9194, 45.0969, 23.8465



28.9068, 45.0969, 60.0612

Square

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



55.9194, 45.0969, 23.8465



32.7726, 45.0969, 22.2692



32.0161, 45.0969, 87.8477



54.8378, 45.0969, 91.7525

Rectangle

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



55.9194, 45.0969, 23.8465



42.0974, 45.0969, 15.7807



32.0161, 45.0969, 87.8477



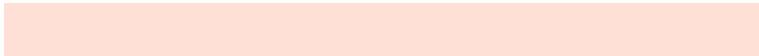
43.6383, 45.0969, 111.6634

Sweetspot

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



55.9205, 45.0992, 23.8473



79.9623, 79.2436, 74.8334



61.8003, 40.4242, 76.4729



16.7450, 16.4471, 15.1965



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.



55.9205, 45.0992, 23.8473



51.4628, 38.4478, 15.3810



69.5126, 72.2834, 28.3780



18.3504, 18.6689, 18.7806



22.4589, 12.9291, 1.3118



2.2655, 1.4163, 0.1540

Inverse Universe

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



52.5893, 64.5931, 104.3033



47.7288, 59.6716, 103.6099



38.3279, 36.0702, 99.5495



18.1776, 19.7268, 23.0995



19.8648, 24.6391, 53.1434



2.0166, 2.5639, 5.2019

Previews

White Background



This preview shows how the XYZ color 55.9194, 45.0969, 23.8465 looks on a white background.

Color Contrast Check

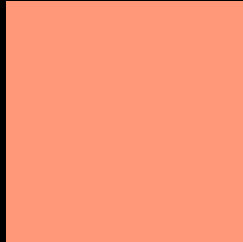
Large Text (above 18pt) WCAG AA × Fail

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 55.9194, 45.0969, 23.8465 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

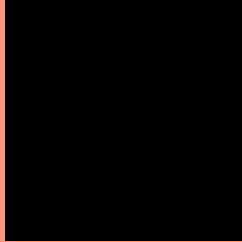
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 55.9194, 45.0969, 23.8465

Background



This preview shows how black text looks on a background with the XYZ color 55.9194, 45.0969, 23.8465.



This preview shows how white text looks on a background with the XYZ color 55.9194, 45.0969,

23.8465.

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

55.9194, 45.0969, 23.8465

Protanopia

42.3461, 45.2711, 28.6966

Deuteranopia

46.2823, 45.3883, 23.1511



Tritanopia

58.2455, 45.2581, 38.4667

Trichromacy



Original Color

55.9194, 45.0969, 23.8465



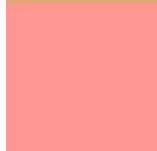
Protanomaly

46.4693, 44.5598, 26.9206



Deuteranomaly

49.3583, 45.0413, 23.2319



Tritanomaly

57.2572, 45.1170, 32.4787

Monochromacy



Original Color

55.9194, 45.0969, 23.8465



Achromatopsia

42.8472, 45.0786, 49.0906



Achromatomaly

46.0916, 44.1100, 38.4325

CSS Examples

Text

The CSS property to change the color of the text to XYZ 55.9194, 45.0969, 23.8465 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, 152, 121)` looks like.

```
.text, #text, p{  
    color:rgb(255, 152, 121)  
}
```

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, 152, 121) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 152, 121) }
```

Border

The CSS property to change the border of an element to XYZ 55.9194, 45.0969, 23.8465 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, 152, 121) }
```


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

```
.border{ border-color:rgb(255, 152, 121) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 152, 121)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 152, 121); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 152, 121);  
box-shadow:4px 4px 4px 4px rgb(255, 152,  
121) }
```

Background

The CSS property to change the background color of an element to XYZ 55.9194, 45.0969, 23.8465 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 152, 121) }
```

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

```
.background{ background-color: rgb(255,  
152, 121) }
```

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