

# Converting Colors

XYZ(55.7234, 50.9620, 32.9646)

Have a look what the booklet for  
XYZ(55.7234, 50.9620, 32.9646)  
contains.

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# Color

**XYZ(55.5478, 50.8203,  
32.8682)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EEAF8F
RGB	238, 175, 143
RGB Percent	93%, 69%, 56%
CMY	0.0667, 0.3137, 0.4392
CMYK	0.00, 0.26, 0.40, 0.07
HSL	20°, 74%, 75%
HSV	20°, 40%, 93%
XYZ	55.5478, 50.8203, 32.8682
YIQ	190.1890, 47.8200, 3.4040

# Conversions

## Conversions Part 2

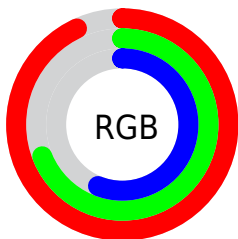
Format	Color
R <sub>Y</sub> B	238, 191, 143
Decimal	15642511
CIE Lab	76.57, 19.03, 25.44
CIE LCh	77, 31.768, 53.207
Yxy	50.8203, 0.3989, 0.3650
Android (android.graphics.Color)	4293832591 (0xFFEEAF8F)
YUV	190.1890, -23.2642, 41.9302
Hunter-Lab	71.2884, 14.3324, 22.5656

# Details

The XYZ color **55.5478, 50.8203, 32.8682** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **48.8307, 56.1530, 89.1538**, and the grayscale version is **49.1642, 51.7246, 56.3281**.

A 20% lighter version of the original color is **79.8940, 82.4430, 64.5256**, and **27.7137, 24.3951, 13.3733** is the 20% darker color. If you saturate the color by 10%, you get **51.0385, 44.3874, 23.3939**, and if you desaturate by 10%, it is **60.8012, 58.1291, 44.4785**.

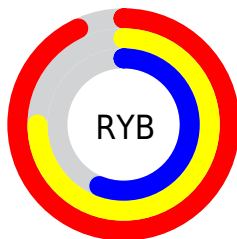
# Distribution



Red (93%)

Green (69%)

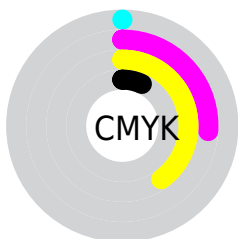
Blue (56%)



Red (93%)

Yellow (75%)

Blue (56%)

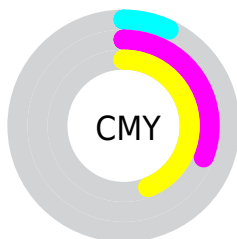


Cyan (0%)

Magenta (26%)

Yellow (40%)

Black (7%)



Cyan (7%)

Magenta (31%)


Yellow (44%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 55.5478, 50.8203, 32.8682 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 55.5478, 50.8203, 32.8682 by changing the saturation by 10% instead.





 55.5478, 50.8203,  
32.8682

 55.5478, 50.8203,  
32.8682


398.0878,  
389.8652, 329.6692

 40.0761, 36.0656,  
21.7552


 97.4868, 91.3891,  
65.2833

 27.7823, 24.4849,  
13.4805


 124.6847,  
117.9720, 87.4226

 18.3013, 15.6937,  
7.6257


156.5220,  
149.2664, 114.0743

 11.2675, 9.3077,  
3.7721

193.3642,  
185.6567, 145.6570

 6.3157, 4.9424,  
1.5011

235.5765,  
227.5274, 182.5894

 3.0804, 2.2135,  
0.2188

283.5243,

 1.1964, 0.7273,

275.2628, 225.2898

0.0000

337.5729,  
329.2472, 274.1769

■ 0.1036, 0.0000,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 55.5478, 50.8203,  
32.8682

■ 55.5478, 50.8203,  
32.8682

■ 51.0385, 44.3874,  
23.3939

■ 60.8012, 58.1291,  
44.4785

■ 47.2328, 38.7888,  
15.9200

■ 66.8288, 66.3387,  
58.3430

■ 44.0916, 33.9898,  
10.2998

■ 73.6636, 75.4823,  
74.5745

■ 41.5701, 29.9506,  
6.3649

■ 81.3355, 85.5889,  
93.2776

■ 39.6165, 26.6266,  
3.9157

■ 88.7248, 96.2270,  
108.5051

■ 38.1528, 23.9612,  
2.6199

■ 89.0698, 96.9171,  
108.6201

■ 38.1418, 23.9411,  
2.6108

# Harmonies

## Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



59.7017, 50.8203, 43.3089



55.5478, 50.8203, 32.8682



49.6807, 50.8203, 28.5824

# Triad

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



55.5478, 50.8203, 32.8682



37.7288, 50.8203, 51.5178



52.9936, 50.8203, 91.5970

# Complementary

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



55.5478, 50.8203, 32.8682



48.8307, 56.1530, 89.1538

# 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.



46.9514, 50.8203, 95.0562



55.5478, 50.8203, 32.8682



38.4565, 50.8203, 69.4028

# Square

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



55.5478, 50.8203, 32.8682



39.6407, 50.8203, 37.8106



41.7175, 50.8203, 86.2362



58.1438, 50.8203, 77.5770



# Rectangle

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



55.5478, 50.8203, 32.8682



45.7149, 50.8203, 28.9977



41.7175, 50.8203, 86.2362



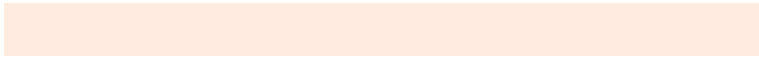
50.9873, 50.8203, 94.1383

# Sweetspot

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



55.5491, 50.8227, 32.8692



84.3740, 85.9138, 82.9418



56.2637, 42.2950, 63.8036



17.8292, 18.0821, 17.2026



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.



55.5491, 50.8227, 32.8692



60.5505, 53.1513, 29.1136



66.3835, 72.4915, 36.4807



16.2080, 16.6291, 16.5052



21.3862, 13.5705, 1.4922



1.8677, 1.3060, 0.1536

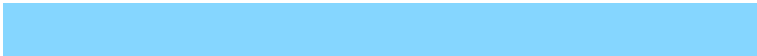


# Inverse Universe

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



48.8307, 56.1530, 89.1538



51.6466, 60.1476, 103.4953



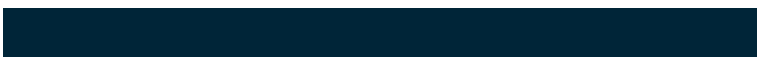
39.1303, 36.7522, 85.9203



15.7728, 16.9797, 20.1677



15.5382, 17.3006, 47.6483



1.3841, 1.6221, 3.9944



# Previews

## White Background



This preview shows how the XYZ color 55.5478, 50.8203, 32.8682 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

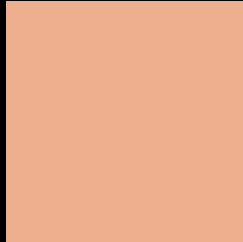
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 55.5478, 50.8203, 32.8682 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

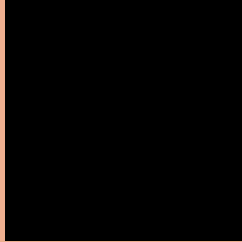
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 55.5478, 50.8203, 32.8682**

## **Background**



This preview shows how black text looks on a background with the XYZ color 55.5478, 50.8203, 32.8682.



This preview shows how white text looks on a background with the XYZ color 55.5478, 50.8203,

32.8682.

# 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

55.5478, 50.8203, 32.8682

### Protanopia

47.7098, 50.9826, 35.7598

### Deuteranopia

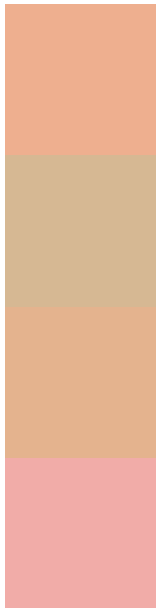
51.8378, 50.6887, 32.6429



## Tritanopia

59.4362, 51.0041, 50.9681

# Trichromacy



## Original Color

55.5478, 50.8203, 32.8682

## Protanomaly

50.1385, 50.6837, 34.7441

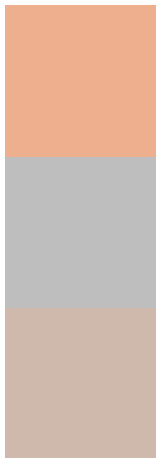
## Deuteranomaly

52.9975, 50.6872, 32.5815

## Tritanomaly

58.0960, 51.0330, 43.8341

# Monochromacy



## Original Color

55.5478, 50.8203, 32.8682

## Achromatopsia

48.9429, 51.4918, 56.0745

## Achromatomaly

50.6239, 50.9805, 46.7072

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 55.5478, 50.8203, 32.8682 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(238, 175, 143)` looks like.

```
.text, #text, p{  
    color:rgb(238, 175, 143)  
}
```

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(238, 175, 143) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 175, 143) }
```

## Border

The CSS property to change the border of an element to XYZ 55.5478, 50.8203, 32.8682 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(238, 175, 143) }
```



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

```
.border{ border-color:rgb(238, 175, 143) }
```

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

Here you see how a box with a 4 pixel `rgb(238, 175, 143)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(238, 175, 143); -webkit-box-  
shadow:4px 4px 4px 4px rgb(238, 175, 143);  
box-shadow:4px 4px 4px 4px rgb(238, 175,  
143) }
```

# Background

The CSS property to change the background color of an element to XYZ 55.5478, 50.8203, 32.8682 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(238, 175, 143) }
```

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

```
.background{ background-color: rgb(238,  
175, 143) }
```

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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