

# Converting Colors

XYZ(55.7204, 49.6102, 25.7525)

Have a look what the booklet for  
XYZ(55.7204, 49.6102, 25.7525)  
contains.

<b>XYZ(55.6690, 49.6172, 25.7118)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(55.6690, 49.6172,  
25.7118)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F5AA7C
RGB	245, 170, 124
RGB Percent	96%, 67%, 49%
CMY	0.0392, 0.3333, 0.5137
CMYK	0.00, 0.31, 0.49, 0.04
HSL	23°, 86%, 72%
HSV	23°, 49%, 96%
XYZ	55.6690, 49.6172, 25.7118
YIQ	187.1810, 59.4660, 1.5940

# Conversions

## Conversions Part 2

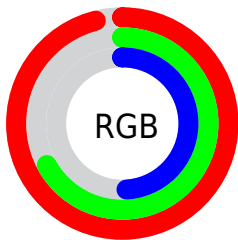
Format	Color
R <sub>Y</sub> B	245, 198, 124
Decimal	16099964
CIE Lab	75.83, 22.50, 34.71
CIE LCh	76, 41.370, 57.046
Yxy	49.6172, 0.4250, 0.3788
Android (android.graphics.Color)	4294290044 (0xFFF5AA7C)
YUV	187.1810, -31.1482, 50.7073
Hunter-Lab	70.4395, 17.8012, 27.6656

# Details

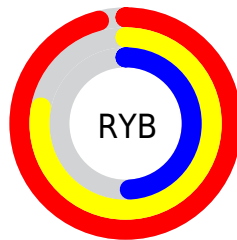
The XYZ color **55.6690, 49.6172, 25.7118** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **45.2160, 51.7221, 93.9861**, and the grayscale version is **47.4843, 49.9571, 54.4033**.

A 20% lighter version of the original color is **76.3722, 78.8270, 52.7849**, and **27.9642, 23.8904, 9.6160** is the 20% darker color. If you saturate the color by 10%, you get **51.6240, 43.7063, 17.6458**, and if you desaturate by 10%, it is **60.4302, 56.3445, 35.9162**.

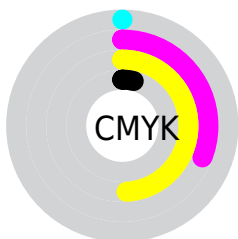
# Distribution



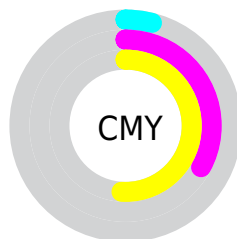
- Red (96%)
- Green (67%)
- Blue (49%)



- Red (96%)
- Yellow (78%)
- Blue (49%)



- Cyan (0%)
- Magenta (31%)
- Yellow (49%)
- Black (4%)




- Cyan (4%)
- Magenta (33%)
- Yellow (51%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 55.6690, 49.6172, 25.7118 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 55.6690, 49.6172, 25.7118 by changing the saturation by 10% instead.





 55.6690, 49.6172,  
25.7118

 55.6690, 49.6172,  
25.7118


398.5382,  
385.1671, 294.9248


 40.1736, 35.1093,  
16.3843

 97.6631, 89.6074,  
53.7880

 27.8587, 23.7471,  
9.6392


 124.8924,  
115.8586, 73.3738

 18.3591, 15.1461,  
5.0580


 156.7638,  
146.7930, 97.2162

 11.3093, 8.9220,  
2.2220

193.6425,  
182.7950, 125.7336

 6.3441, 4.6903,  
0.6870

235.8939,  
224.2490, 159.3446

 3.0981, 2.0667,  
0.0000

283.8835,

 1.2058, 0.6458,

271.5394, 198.4678

0.0000

337.9764,  
325.0507, 243.5217

■ 0.1110, 0.0000,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 55.6690, 49.6172,  
25.7118

■ 55.6690, 49.6172,  
25.7118

■ 51.6240, 43.7063,  
17.6458

■ 60.4302, 56.3445,  
35.9162

■ 48.2513, 38.5707,  
11.5587

■ 65.9405, 63.9126,  
48.3969

■ 45.5071, 34.1760,  
7.2728

■ 72.2352, 72.3537,  
63.2836

■ 43.3398, 30.4815,  
4.5766

■ 79.3458, 81.6960,  
80.6953

41.6743, 27.4359,  
3.1423

87.3023, 91.9663,  
100.7428

41.5837, 27.2678,  
3.0715

91.4660, 98.1524,  
108.7323

# Harmonies

## Analogous

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



61.5931, 49.6172, 36.9660



55.6690, 49.6172, 25.7118



47.9258, 49.6172, 21.8089

# Triad

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



55.6690, 49.6172, 25.7118



33.8804, 49.6172, 51.8716



54.2078, 49.6172, 101.1993

# Complementary

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



55.6690, 49.6172, 25.7118



45.2160, 51.7221, 93.9861

# 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.



46.4018, 49.6172, 108.3115



55.6690, 49.6172, 25.7118



35.1779, 49.6172, 75.6589

# Square

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



55.6690, 49.6172, 25.7118



35.8084, 49.6172, 34.1080



39.5649, 49.6172, 97.9192



60.6872, 49.6172, 80.4895



# Rectangle

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



55.6690, 49.6172, 25.7118



42.9565, 49.6172, 22.8092



39.5649, 49.6172, 97.9192



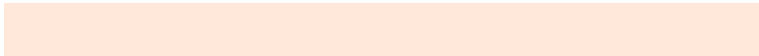
51.6284, 49.6172, 105.4683

# Sweetspot

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



55.6702, 49.6196, 25.7128



82.3899, 83.5728, 77.2640



55.3635, 38.0280, 59.4548



17.2897, 17.4331, 15.6973



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.



55.6702, 49.6196, 25.7128



56.6436, 48.0244, 19.5279



69.2766, 76.8325, 30.2482



17.0155, 17.5152, 17.2815



22.5252, 14.9360, 1.6957



2.0756, 1.5045, 0.1810

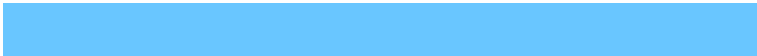


# Inverse Universe

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



45.2160, 51.7221, 93.9861



43.9707, 50.4915, 102.0361



34.1916, 29.6733, 90.3113



16.4366, 17.6375, 21.0806



15.0523, 15.8983, 48.8134



1.4219, 1.5952, 4.3232



# Previews

## White Background



This preview shows how the XYZ color 55.6690, 49.6172, 25.7118 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

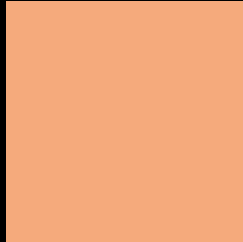
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 55.6690, 49.6172, 25.7118 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

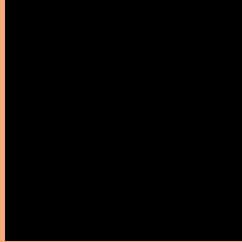
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 55.6690, 49.6172, 25.7118**

## **Background**



This preview shows how black text looks on a background with the XYZ color 55.6690, 49.6172, 25.7118.



This preview shows how white text looks on a background with the XYZ color 55.6690, 49.6172,

25.7118.

# 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

55.6690, 49.6172, 25.7118

### Protanopia

46.2242, 49.7359, 28.6364

### Deuteranopia

50.6843, 49.6529, 25.3250



## Tritanopia

60.0006, 49.4687, 47.4603

# Trichromacy



## Original Color

55.6690, 49.6172, 25.7118

## Protanomaly

49.3336, 49.5117, 27.3786

## Deuteranomaly

52.3792, 49.6365, 25.5590

## Tritanomaly

58.4334, 49.6632, 38.4045

# Monochromacy



## Original Color

55.6690, 49.6172, 25.7118

## Achromatopsia

47.2335, 49.6933, 54.1160

## Achromatomaly

49.2371, 49.1380, 42.0115

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 55.6690, 49.6172, 25.7118 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(245, 170, 124)` looks like.

```
.text, #text, p{  
    color:rgb(245, 170, 124)  
}
```

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(245, 170, 124) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 170, 124) }
```

## Border

The CSS property to change the border of an element to XYZ 55.6690, 49.6172, 25.7118 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(245, 170, 124) }
```



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

```
.border{ border-color:rgb(245, 170, 124) }
```

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

Here you see how a box with a 4 pixel `rgb(245, 170, 124)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 170, 124); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 170, 124);  
box-shadow:4px 4px 4px 4px rgb(245, 170,  
124) }
```

# Background

The CSS property to change the background color of an element to XYZ 55.6690, 49.6172, 25.7118 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(245, 170, 124) }
```

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

```
.background{ background-color: rgb(245,  
170, 124) }
```

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