

# Converting Colors

XYZ(105.6231, 78.7944,  
22.7156)

Have a look what the booklet for  
XYZ(105.6231, 78.7944, 22.7156)  
contains.

<b>XYZ(60.2626, 55.3072, 20.5959)</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(60.2626, 55.3072,  
20.5959)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFB568
RGB	255, 181, 104
RGB Percent	100%, 71%, 41%
CMY	0.0000, 0.2902, 0.5921
CMYK	0.00, 0.29, 0.59, 0.00
HSL	31°, 100%, 70%
HSV	31°, 59%, 100%
XYZ	60.2626, 55.3072, 20.5959
YIQ	194.3480, 68.8210, -8.2590

# Conversions

## Conversions Part 2

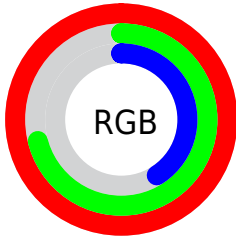
Format	Color
R <sub>Y</sub> B	249, 255, 104
Decimal	16758120
CIE Lab	79.22, 19.12, 49.36
CIE LCh	79, 52.935, 68.825
Yxy	55.3072, 0.4426, 0.4062
Android (android.graphics.Color)	4294948200 (0xFFFFB568)
YUV	194.3480, -44.5416, 53.1918
Hunter-Lab	74.3688, 14.4969, 35.6382

# Details

The XYZ color **60.2626, 55.3072, 20.5959** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **39.6786, 42.0020, 100.6233**, and the grayscale version is **51.7129, 54.4060, 59.2481**.

A 20% lighter version of the original color is **77.6100, 84.2627, 44.0721**, and **30.8675, 27.2975, 7.0102** is the 20% darker color. If you saturate the color by 10%, you get **56.7303, 50.0116, 13.9657**, and if you desaturate by 10%, it is **64.4170, 61.2208, 29.3660**.

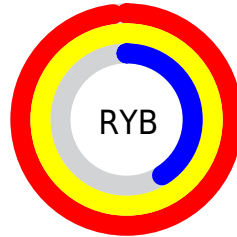
# Distribution



Red (100%)

Green (71%)

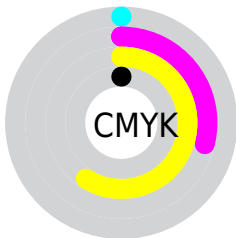
Blue (41%)



Red (98%)

Yellow (100%)

Blue (41%)

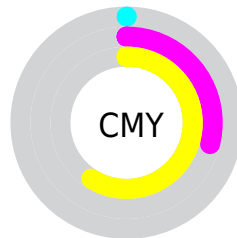


Cyan (0%)

Magenta (29%)

Yellow (59%)

Black (0%)



Cyan (0%)

Magenta (29%)


Yellow (59%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 60.2626, 55.3072, 20.5959 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 60.2626, 55.3072, 20.5959 by changing the saturation by 10% instead.




 60.2626, 55.3072,  
20.5959


 60.2626, 55.3072,  
20.5959


415.3843,  
407.0754, 267.8332

 43.8806, 39.6477,  
12.6406


 104.3147, 97.9909,  
45.2860


 30.7742, 27.2640,  
7.0537


 132.7155,  
125.7839, 62.8580

 20.5779, 17.7716,  
3.4168


 165.8533,  
158.3903, 84.4725

 12.9265, 10.7861,  
1.3112

 204.0934,  
196.1943, 110.5482

 7.4546, 5.9232,  
0.0709

247.8012,  
239.5804, 141.5035

 3.7969, 2.7984,  
0.0000

297.3420,

 1.5879, 1.0274,

288.9331, 177.7571

0.0000

353.0813,  
344.6366, 219.7275

■ 0.3845, 0.0000,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 60.2626, 55.3072,  
20.5959

■ 60.2626, 55.3072,  
20.5959

■ 56.7303, 50.0116,  
13.9657

■ 64.4170, 61.2208,  
29.3660

■ 53.7736, 45.2991,  
9.2779

■ 69.2273, 67.7683,  
40.4433

■ 51.3442, 41.1427,  
6.3029

■ 74.7290, 74.9750,  
53.9817

■ 49.3703, 37.5034,  
4.6943

■ 80.9537, 82.8622,  
70.1212

■ 49.2282, 37.2366,  
4.5928

■ 87.9307, 91.4498,  
88.9908

95.0499, 99.9999,  
108.9000

# Harmonies

## Analogous

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



70.0597, 55.3072, 30.5841



60.2626, 55.3072, 20.5959



49.5085, 55.3072, 19.0501

# Triad

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



60.2626, 55.3072, 20.5959



34.9213, 55.3072, 69.6068



66.3791, 55.3072, 117.9576

# Complementary

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



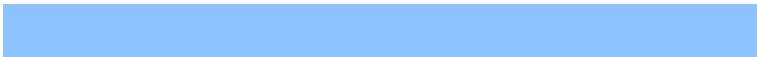
60.2626, 55.3072, 20.5959



39.6786, 42.0020, 100.6233

# 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.



55.7506, 55.3072, 138.0726



60.2626, 55.3072, 20.5959



38.2605, 55.3072, 104.6222

# Square

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



60.2626, 55.3072, 20.5959



35.7906, 55.3072, 41.5340



45.5577, 55.3072, 132.5095



73.9074, 55.3072, 83.8077



# Rectangle

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



60.2626, 55.3072, 20.5959



43.3582, 55.3072, 22.2445



45.5577, 55.3072, 132.5095



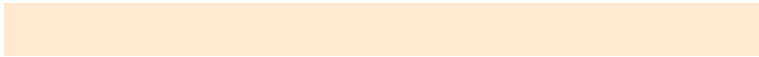
62.9972, 55.3072, 127.0297

# Sweetspot

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



60.2639, 55.3099, 20.5970



81.7608, 83.8679, 72.2654



54.3779, 34.4360, 46.6947



17.0905, 17.4394, 14.3829



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.



60.2639, 55.3099, 20.5970



56.1616, 49.1283, 12.9924



79.4985, 93.7792, 27.0085



18.7753, 19.5187, 18.9223



25.8728, 19.7569, 2.4498



2.6285, 2.1424, 0.2750



# Inverse Universe

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



39.6786, 42.0020, 100.6233



33.9088, 34.7510, 99.5282



28.7097, 20.0643, 96.9670



17.7380, 18.8475, 22.9530



13.4092, 11.7279, 50.9916



1.4146, 1.3598, 5.0012



# Previews

## White Background



This preview shows how the XYZ color 60.2626, 55.3072, 20.5959 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 60.2626, 55.3072, 20.5959 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

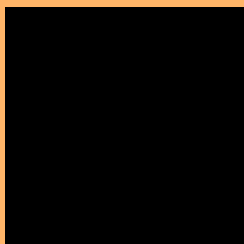
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 60.2626, 55.3072, 20.5959**

## **Background**



This preview shows how black text looks on a background with the XYZ color 60.2626, 55.3072, 20.5959.



This preview shows how white text looks on a background with the XYZ color 60.2626, 55.3072,



# 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

60.2626, 55.3072, 20.5959

### Protanopia

51.0455, 55.6356, 22.5164

### Deuteranopia

56.4941, 55.2207, 20.5131



## Tritanopia

65.4329, 55.4651, 53.7115

# Trichromacy



## Original Color

60.2626, 55.3072, 20.5959

## Protanomaly

53.9178, 55.1461, 21.7124

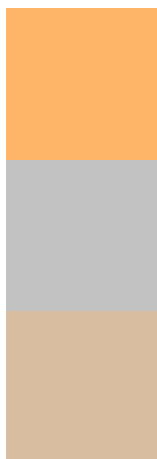
## Deuteranomaly

57.8032, 55.2700, 20.4536

## Tritanomaly

62.9629, 55.1046, 38.7702

# Monochromacy



## Original Color

60.2626, 55.3072, 20.5959

## Achromatopsia

51.2775, 53.9479, 58.7493

## Achromatomaly

52.9495, 53.5673, 41.2670

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 60.2626, 55.3072, 20.5959 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, 181, 104)` looks like.

```
.text, #text, p{  
    color:rgb(255, 181, 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, 181, 104) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 181, 104) }
```

## Border

The CSS property to change the border of an element to XYZ 60.2626, 55.3072, 20.5959 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, 181, 104) }
```



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

```
.border{ border-color:rgb(255, 181, 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, 181, 104)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 181, 104); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 181, 104);  
box-shadow:4px 4px 4px 4px rgb(255, 181,  
104) }
```

# Background

The CSS property to change the background color of an element to XYZ 60.2626, 55.3072, 20.5959 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 181, 104) }
```

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

```
.background{ background-color: rgb(255,  
181, 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](#).

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