

# Converting Colors

XYZ(77.7682, 66.1010, 27.4687)

Have a look what the booklet for  
XYZ(77.7682, 66.1010, 27.4687)  
contains.

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# Color

**XYZ(62.5855, 58.2307,  
26.6799)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFBB7B
RGB	255, 187, 123
RGB Percent	100%, 73%, 48%
CMY	0.0000, 0.2666, 0.5176
CMYK	0.00, 0.27, 0.52, 0.00
HSL	29°, 100%, 74%
HSV	29°, 52%, 100%
XYZ	62.5855, 58.2307, 26.6799
YIQ	200.0360, 61.0720, -5.4880

# Conversions

## Conversions Part 2

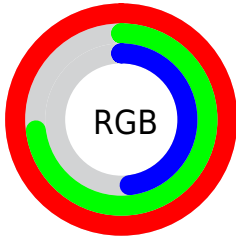
Format	Color
R <sub>Y</sub> B	255, 247, 123
Decimal	16759675
CIE Lab	80.87, 17.46, 41.86
CIE LCh	81, 45.356, 67.355
Yxy	58.2307, 0.4243, 0.3948
Android (android.graphics.Color)	4294949755 (0xFFFFBB7B)
YUV	200.0360, -37.9787, 48.2034
Hunter-Lab	76.3090, 12.8574, 32.6868

# Details

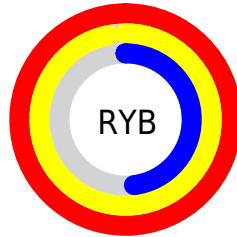
The XYZ color **62.5855, 58.2307, 26.6799** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **44.8483, 48.6905, 101.6419**, and the grayscale version is **55.1234, 57.9941, 63.1556**.

A 20% lighter version of the original color is **81.1271, 88.4958, 53.8798**, and **32.2334, 29.1333, 10.2277** is the 20% darker color. If you saturate the color by 10%, you get **58.5323, 52.3549, 18.4529**, and if you desaturate by 10%, it is **67.3122, 64.7883, 37.1834**.

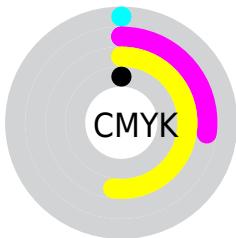
# Distribution



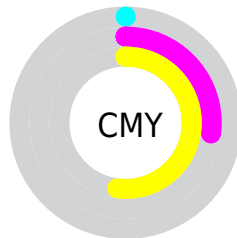
- Red (100%)
- Green (73%)
- Blue (48%)



- Red (100%)
- Yellow (97%)
- Blue (48%)



- Cyan (0%)
- Magenta (27%)
- Yellow (52%)
- Black (0%)




- Cyan (0%)
- Magenta (27%)
- Yellow (52%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 62.5855, 58.2307, 26.6799 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 62.5855, 58.2307, 26.6799 by changing the saturation by 10% instead.





 62.5855, 58.2307,  
26.6799


 62.5855, 58.2307,  
26.6799


423.7472,  
418.0450, 299.8149

 45.7634, 41.9941,  
17.1027


 107.6565,  
102.2587, 55.3673

 32.2630, 29.0967,  
10.1450


 136.6360,  
130.8190, 75.3145

 21.7189, 19.1540,  
5.3883


 170.3987,  
164.2560, 99.5554

 13.7660, 11.7816,  
2.4142

209.3099,  
202.9540, 128.5086

 8.0387, 6.5951,  
0.7941

253.7350,  
247.2976, 162.5926

 4.1717, 3.2102,  
0.0000

304.0394,

 1.7997, 1.2424,

297.6710, 202.2259

0.0000

360.5883,  
354.4587, 247.8272

■ 0.5175, 0.0960,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 62.5855, 58.2307,  
26.6799

■ 62.5855, 58.2307,  
26.6799

■ 58.5323, 52.3549,  
18.4529

■ 67.3122, 64.7883,  
37.1834

■ 55.1085, 47.1255,  
12.3228

■ 72.7441, 72.0441,  
50.1172

■ 52.2704, 42.5160,  
8.0884

■ 78.9157, 80.0241,  
65.6257

■ 49.9649, 38.4933,  
5.5061

■ 85.8578, 88.7504,  
83.8408

48.4034, 35.5871,  
4.3178

93.5992, 98.2440,  
104.8854

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.



70.9575, 58.2307, 36.9415



62.5855, 58.2307, 26.6799



53.0694, 58.2307, 24.7319

# Triad

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



62.5855, 58.2307, 26.6799



39.3161, 58.2307, 70.2491



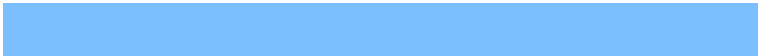
67.0277, 58.2307, 113.9660

# Complementary

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



62.5855, 58.2307, 26.6799



44.8483, 48.6905, 101.6419

# Split Complementary

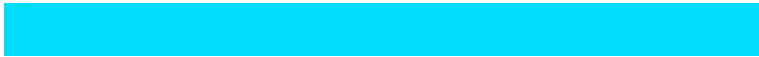
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



57.6879, 58.2307, 129.6721



62.5855, 58.2307, 26.6799



42.2116, 58.2307, 100.1945

# Square

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



62.5855, 58.2307, 26.6799



40.3132, 58.2307, 45.5220



48.6885, 58.2307, 124.0248



73.7177, 58.2307, 85.4438



# Rectangle

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



62.5855, 58.2307, 26.6799



47.4653, 58.2307, 27.7003



48.6885, 58.2307, 124.0248



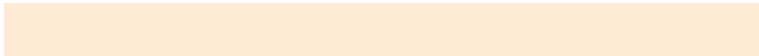
64.0552, 58.2307, 121.2394

# Sweetspot

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



62.5869, 58.2335, 26.6810



82.8213, 84.9616, 75.7864



57.7492, 39.1968, 53.9282



17.4223, 17.8017, 15.4223



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.



62.5869, 58.2335, 26.6810



58.4445, 52.2242, 18.2847



79.8773, 92.8142, 32.4445



18.7364, 19.4409, 18.9093



25.4400, 18.8912, 2.3055



2.5858, 2.0570, 0.2608



# Inverse Universe

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



44.8483, 48.6905, 101.6419



38.9569, 41.7315, 100.6095



33.5778, 26.1495, 97.8851



17.7769, 18.9254, 22.9660



13.8475, 12.6045, 51.1377



1.4577, 1.4461, 5.0156



# Previews

## White Background



This preview shows how the XYZ color 62.5855, 58.2307, 26.6799 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

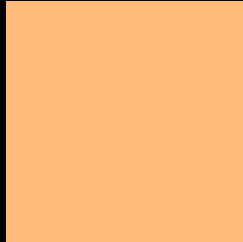
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 62.5855, 58.2307, 26.6799 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

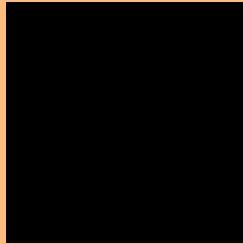
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 62.5855, 58.2307, 26.6799**

## **Background**



This preview shows how black text looks on a background with the XYZ color 62.5855, 58.2307, 26.6799.



This preview shows how white text looks on a background with the XYZ color 62.5855, 58.2307,



# 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

62.5855, 58.2307, 26.6799

### Protanopia

53.9963, 58.3919, 28.8469

### Deuteranopia

59.6707, 58.3375, 26.5276



## Tritanopia

67.3895, 58.1580, 58.1259

# Trichromacy



## Original Color

62.5855, 58.2307, 26.6799

## Protanomaly

56.7845, 58.1420, 27.9683

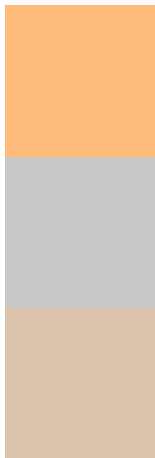
## Deuteranomaly

60.6377, 58.1885, 26.4479

## Tritanomaly

65.2414, 57.9541, 44.7935

# Monochromacy



## Original Color

62.5855, 58.2307, 26.6799

## Achromatopsia

54.8990, 57.7580, 62.8985

## Achromatomaly

56.4767, 57.2244, 47.0985

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 62.5855, 58.2307, 26.6799 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, 187, 123)` looks like.

```
.text, #text, p{  
    color:rgb(255, 187, 123)  
}
```

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, 187, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 187, 123) }
```

## Border

The CSS property to change the border of an element to XYZ 62.5855, 58.2307, 26.6799 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, 187, 123) }
```



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

```
.border{ border-color:rgb(255, 187, 123) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 187, 123)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 187, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 187, 123);  
box-shadow:4px 4px 4px 4px rgb(255, 187,  
123) }
```

# Background

The CSS property to change the background color of an element to XYZ 62.5855, 58.2307, 26.6799 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 187, 123) }
```

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

```
.background{ background-color: rgb(255,  
187, 123) }
```

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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