

# Converting Colors

XYZ(81.8929, 70.4300, 20.0548)

Have a look what the booklet for  
XYZ(81.8929, 70.4300, 20.0548)  
contains.

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# Color

**XYZ(62.3755, 60.2262,  
19.1637)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFC15F
RGB	255, 193, 95
RGB Percent	100%, 76%, 37%
CMY	0.0000, 0.2431, 0.6274
CMYK	0.00, 0.24, 0.63, 0.00
HSL	37°, 100%, 69%
HSV	37°, 63%, 100%
XYZ	62.3755, 60.2262, 19.1637
YIQ	200.3660, 68.4100, -17.3340

# Conversions

## Conversions Part 2

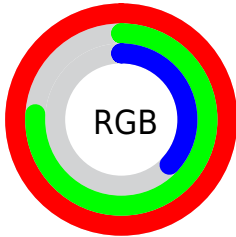
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	196, 255, 95
Decimal	16761183
CIE Lab	81.96, 12.26, 56.82
CIE LCh	82, 58.124, 77.823
Yxy	60.2262, 0.4400, 0.4248
Android (android.graphics.Color)	4294951263 (0xFFFFC15F)
YUV	200.3660, -51.9454, 47.9140
Hunter-Lab	77.6055, 7.6598, 39.6830

# Details

The XYZ color **62.3755, 60.2262, 19.1637** is a light color, and the websafe version is hex **FFCC66**. The color can be described as light muted yellow. A complement of this color would be **34.8256, 33.7652, 99.2889**, and the grayscale version is **55.4078, 58.2933, 63.4814**.

A 20% lighter version of the original color is **80.4610, 91.1495, 41.3698**, and **32.3017, 30.5254, 6.3800** is the 20% darker color. If you saturate the color by 10%, you get **59.2892, 55.6151, 13.3223**, and if you desaturate by 10%, it is **65.9898, 65.2868, 27.0532**.

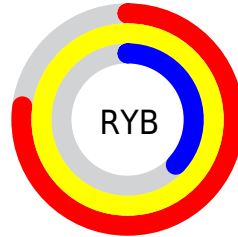
# Distribution



Red (100%)

Green (76%)

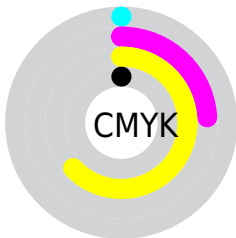
Blue (37%)



Red (77%)

Yellow (100%)

Blue (37%)

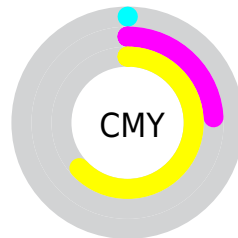


Cyan (0%)

Magenta (24%)

Yellow (63%)

Black (0%)



Cyan (0%)

Magenta (24%)

Yellow (63%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 62.3755, 60.2262, 19.1637 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 62.3755, 60.2262, 19.1637 by changing the saturation by 10% instead.



62.3755, 60.2262,  
19.1637

62.3755, 60.2262,  
19.1637

422.9952,  
425.4310, 259.8038

45.5929, 43.6010,  
11.6106

107.3549,  
105.1577, 42.8509

32.1280, 30.3569,  
6.3598

136.2825,  
134.2328, 59.8221

21.6153, 20.1097,  
2.9928

169.9891,  
168.2267, 80.7698

13.6895, 12.4748,  
1.0909

208.8401,  
207.5237, 106.1124

7.9853, 7.0679,  
0.0000

253.2009,  
252.5082, 136.2686

4.1373, 3.5046,  
0.0000

303.4367,

1.7801, 1.4005,

303.5647, 171.6569

0.0000

359.9131,  
361.0775, 212.6957

■ 0.5056, 0.2171,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 62.3755, 60.2262,  
19.1637

■ 62.3755, 60.2262,  
19.1637

■ 59.2892, 55.6151,  
13.3223

■ 65.9898, 65.2868,  
27.0532

■ 56.6853, 51.4235,  
9.3212

■ 70.1640, 70.8068,  
37.1642

■ 54.5154, 47.6299,  
6.9143

■ 74.9320, 76.8065,  
49.6554

■ 53.1613, 45.1031,  
5.9039

■ 80.3234, 83.3020,  
64.6701

86.3657, 90.3081,  
82.3400

93.0843, 97.8392,  
102.7875

95.0497, 99.9999,  
108.9000

# Harmonies

## Analogous

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



74.6271, 60.2262, 27.1119



62.3755, 60.2262, 19.1637



50.3082, 60.2262, 19.9340

# Triad

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



62.3755, 60.2262, 19.1637



37.5589, 60.2262, 88.5577



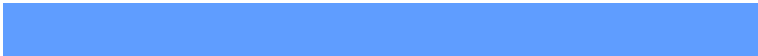
76.6096, 60.2262, 122.3437

# Complementary

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



62.3755, 60.2262, 19.1637



34.8256, 33.7652, 99.2889

# 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.



64.7879, 60.2262, 153.4493



62.3755, 60.2262, 19.1637



42.7931, 60.2262, 129.6310

# Square

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



62.3755, 60.2262, 19.1637



37.1056, 60.2262, 52.3076



52.4004, 60.2262, 156.5120



83.5993, 60.2262, 80.9176



# Rectangle

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



62.3755, 60.2262, 19.1637



43.9362, 60.2262, 25.3185



52.4004, 60.2262, 156.5120



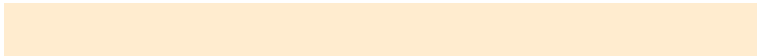
72.9976, 60.2262, 134.9077

# Sweetspot

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



62.3769, 60.2292, 19.1649



82.5086, 85.8651, 70.9684



51.5903, 31.9480, 36.2489



17.3012, 17.9582, 14.1531



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.



62.3769, 60.2292, 19.1649



58.6615, 54.6337, 12.2668



73.4219, 90.6964, 24.4635



18.9357, 19.8395, 18.9757



27.9274, 23.8660, 3.1347

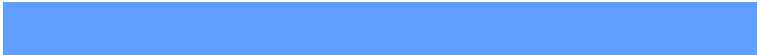


2.8253, 2.5359, 0.3406



# Inverse Universe

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



34.8256, 33.7652, 99.2889



29.2153, 26.4360, 98.1706



28.6982, 18.7845, 96.7203



17.5801, 18.5318, 22.9004



11.8871, 8.6837, 50.4842



1.2596, 1.0499, 4.9495



# Previews

## White Background



This preview shows how the XYZ color 62.3755, 60.2262, 19.1637 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 62.3755, 60.2262, 19.1637 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 62.3755, 60.2262, 19.1637**

## **Background**



This preview shows how black text looks on a background with the XYZ color 62.3755, 60.2262, 19.1637.



This preview shows how white text looks on a background with the XYZ color 62.3755, 60.2262,



# 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

62.3755, 60.2262, 19.1637

### Protanopia

55.2090, 60.2553, 20.5250

### Deuteranopia

61.5022, 60.1052, 19.1864



## Tritanopia

68.6670, 59.9891, 60.7832

# Trichromacy



## Original Color

62.3755, 60.2262, 19.1637

## Protanomaly

57.7839, 60.1949, 20.1285

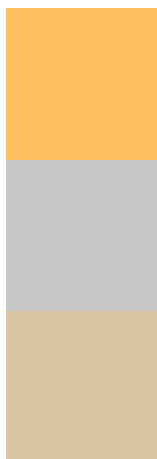
## Deuteranomaly

61.8654, 60.2924, 19.2034

## Tritanomaly

65.5684, 59.7645, 41.3376

# Monochromacy



## Original Color

62.3755, 60.2262, 19.1637

## Achromatopsia

54.8990, 57.7580, 62.8985

## Achromatomaly

56.0030, 57.7568, 42.3789

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 62.3755, 60.2262, 19.1637 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, 193, 95)` looks like.

```
.text, #text, p{  
    color:rgb(255, 193, 95)  
}
```

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, 193, 95) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 193, 95) }
```

## Border

The CSS property to change the border of an element to XYZ 62.3755, 60.2262, 19.1637 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, 193, 95) }
```



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

```
.border{ border-color:rgb(255, 193, 95) }
```

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

Here you see how a box with a 4 pixel rgb(255, 193, 95) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 193, 95); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 193, 95);  
box-shadow:4px 4px 4px 4px rgb(255, 193,  
95) }
```

# Background

The CSS property to change the background color of an element to XYZ 62.3755, 60.2262, 19.1637 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 193, 95) }
```

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

```
.background{ background-color: rgb(255,  
193, 95) }
```

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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