

Converting Colors

XYZ(63.1955, 62.3527, 17.9370)

Have a look what the booklet for
XYZ(63.1955, 62.3527, 17.9370)
contains.

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Color

**XYZ(63.1955, 62.3527,
17.9370)**

Conversions

Conversions Part 1

Format	Color
Hex	FFC658
RGB	255, 198, 88
RGB Percent	100%, 78%, 35%
CMY	0.0000, 0.2235, 0.6549
CMYK	0.00, 0.22, 0.65, 0.00
HSL	40°, 100%, 67%
HSV	40°, 65%, 100%
XYZ	63.1955, 62.3527, 17.9370
YIQ	202.5030, 69.2820, -22.1260

Conversions

Conversions Part 2

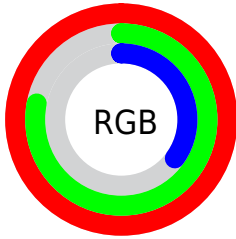
Format	Color
R_YB	175, 255, 88
Decimal	16762456
CIE Lab	83.10, 9.24, 61.23
CIE LCh	83, 61.919, 81.415
Yxy	62.3527, 0.4404, 0.4346
Android (android.graphics.Color)	4294952536 (0xFFFFC658)
YUV	202.5030, -56.4500, 46.0399
Hunter-Lab	78.9637, 4.6689, 41.8066

Details

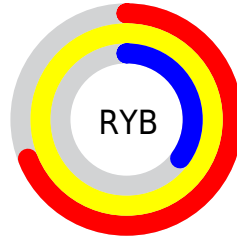
The XYZ color **63.1955, 62.3527, 17.9370** is a light color, and the websafe version is hex **FFCC66**. The color can be described as light muted yellow. A complement of this color would be **32.1994, 29.5443, 98.6127**, and the grayscale version is **56.7666, 59.7229, 65.0382**.

A 20% lighter version of the original color is **81.8825, 94.7330, 39.5608**, and **32.4821, 31.5201, 5.7385** is the 20% darker color. If you saturate the color by 10%, you get **60.3862, 58.1394, 12.6695**, and if you desaturate by 10%, it is **66.4913, 66.9484, 25.1896**.

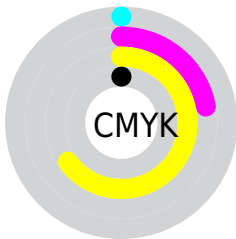
Distribution



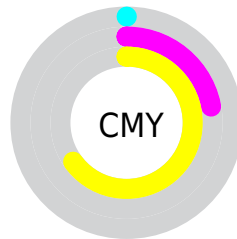
- Red (100%)
- Green (78%)
- Blue (35%)



- Red (69%)
- Yellow (100%)
- Blue (35%)



- Cyan (0%)
- Magenta (22%)
- Yellow (65%)
- Black (0%)





- Cyan (0%)
- Magenta (22%)
- Yellow (65%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 63.1955, 62.3527, 17.9370 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 63.1955, 62.3527, 17.9370 by changing the saturation by 10% instead.


 63.1955, 62.3527,
17.9370


 63.1955, 62.3527,
17.9370


425.9270,
433.2165, 252.7399


 46.2586, 45.3178,
10.7358


 108.5317,
108.2351, 40.7424


 32.6554, 31.7078,
5.7775


 137.6618,
137.8514, 57.1837

 22.0206, 21.1384,
2.6437


 171.5870,
172.4302, 77.5422

 13.9887, 13.2252,
0.9149

 210.6727,
212.3560, 102.2362

 8.1945, 7.5838,
0.0000

255.2841,
258.0131, 131.6845

 4.2725, 3.8298,
0.0000

305.7868,

 1.8574, 1.5788,

309.7859, 166.3055

0.0000

362.5460,
368.0589, 206.5178

■ 0.5519, 0.3433,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 63.1955, 62.3527,
17.9370

■ 63.1955, 62.3527,
17.9370

■ 60.3862, 58.1394,
12.6695

■ 66.4913, 66.9484,
25.1896

■ 58.0167, 54.2794,
9.1697

■ 70.3056, 71.9350,
34.6066

■ 56.0364, 50.7518,
7.1747

■ 74.6726, 77.3314,
46.3513

■ 55.2374, 49.2552,
6.5959

■ 79.6215, 83.1521,
60.5703

85.1796, 89.4109,
77.3978

91.3721, 96.1205,
96.9585

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.



76.8349, 62.3527, 24.9962



63.1955, 62.3527, 17.9370



50.3437, 62.3527, 19.7526

Triad

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



63.1955, 62.3527, 17.9370



38.3636, 62.3527, 98.5638



81.7790, 62.3527, 125.1131

Complementary

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



63.1955, 62.3527, 17.9370



32.1994, 29.5443, 98.6127

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.



69.1811, 62.3527, 162.3948



63.1955, 62.3527, 17.9370



44.6002, 62.3527, 143.4742

Square

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



63.1955, 62.3527, 17.9370



37.2590, 62.3527, 57.4585



55.4997, 62.3527, 170.1498



88.5750, 62.3527, 79.5166

Rectangle

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



63.1955, 62.3527, 17.9370



43.7984, 62.3527, 26.2191



55.4997, 62.3527, 170.1498



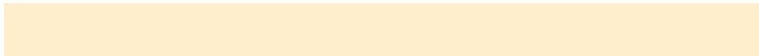
77.9999, 62.3527, 139.6505

Sweetspot

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



63.1969, 62.3557, 17.9382



82.5957, 86.5330, 69.4760



49.9533, 30.3292, 30.6000



17.3480, 18.1475, 13.8733



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.



63.1969, 62.3557, 17.9382



59.5067, 56.7450, 11.2514



70.1384, 89.0389, 22.7227



19.0086, 19.9854, 19.0000



29.0071, 26.0254, 3.4946



2.9259, 2.7371, 0.3741

Inverse Universe

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



32.1994, 29.5443, 98.6127



26.5438, 21.9850, 97.4523



28.3567, 17.7141, 96.5318



17.5097, 18.3911, 22.8769



11.3373, 7.5843, 50.3010



1.2006, 0.9319, 4.9299

Previews

White Background



This preview shows how the XYZ color 63.1955, 62.3527, 17.9370 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 63.1955, 62.3527, 17.9370 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 63.1955, 62.3527, 17.9370

Background



This preview shows how black text looks on a background with the XYZ color 63.1955, 62.3527, 17.9370.



This preview shows how white text looks on a background with the XYZ color 63.1955, 62.3527,

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

63.1955, 62.3527, 17.9370

Protanopia

57.0773, 62.6901, 18.9896

Deuteranopia

63.6387, 62.5300, 20.2707



Tritanopia

70.3141, 62.3512, 64.2061

Trichromacy



Original Color

63.1955, 62.3527, 17.9370

Protanomaly

59.0349, 62.2746, 18.5816

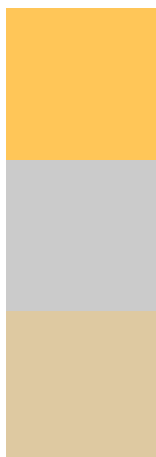
Deuteranomaly

63.4545, 62.4563, 19.3005

Tritanomaly

66.7430, 61.9731, 42.1625

Monochromacy



Original Color

63.1955, 62.3527, 17.9370

Achromatopsia

56.7640, 59.7202, 65.0353

Achromatomaly

57.4439, 59.8761, 42.2478

CSS Examples

Text

The CSS property to change the color of the text to XYZ 63.1955, 62.3527, 17.9370 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, 198, 88)` looks like.

```
.text, #text, p{  
    color:rgb(255, 198, 88)  
}
```

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, 198, 88) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 198, 88) }
```

Border

The CSS property to change the border of an element to XYZ 63.1955, 62.3527, 17.9370 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, 198, 88) }
```


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

```
.border{ border-color:rgb(255, 198, 88) }
```

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

Here you see how a box with a 4 pixel rgb(255, 198, 88) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 198, 88); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 198, 88);  
box-shadow:4px 4px 4px 4px rgb(255, 198,  
88) }
```

Background

The CSS property to change the background color of an element to XYZ 63.1955, 62.3527, 17.9370 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 198, 88) }
```

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

```
.background{ background-color: rgb(255,  
198, 88) }
```

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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