

Converting Colors

XYZ(63.1298, 61.9560, 18.7552)

Have a look what the booklet for
XYZ(63.1298, 61.9560, 18.7552)
contains.

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Color

**XYZ(63.1380, 61.9652,
18.7580)**

Conversions

Conversions Part 1

Format	Color
Hex	FFC55C
RGB	255, 197, 92
RGB Percent	100%, 77%, 36%
CMY	0.0000, 0.2274, 0.6392
CMYK	0.00, 0.23, 0.64, 0.00
HSL	39°, 100%, 68%
HSV	39°, 64%, 100%
XYZ	63.1380, 61.9652, 18.7580
YIQ	202.3720, 68.2730, -20.3590

Conversions

Conversions Part 2

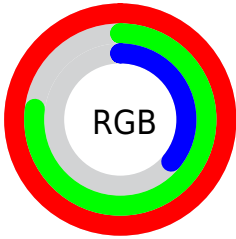
Format	Color
RYB	182, 255, 92
Decimal	16762204
CIELab	82.89, 10.00, 59.22
CIELCh	83, 60.061, 80.418
Yxy	61.9652, 0.4389, 0.4307
Android (android.graphics.Color)	4294952284 (0xFFFFC55C)
YUV	202.3720, -54.4134, 46.1548
Hunter-Lab	78.7180, 5.4146, 40.9741

Details

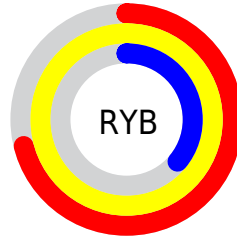
The XYZ color **63.1380, 61.9652, 18.7580** is a light color, and the websafe version is hex **FFCC66**. The color can be described as light muted yellow. A complement of this color would be **33.3695, 31.3067, 98.8912**, and the grayscale version is **56.6725, 59.6239, 64.9304**.

A 20% lighter version of the original color is **81.5536, 93.5859, 40.9597**, and **32.6780, 31.3870, 6.1697** is the 20% darker color. If you saturate the color by 10%, you get **60.2072, 57.5975, 13.1766**, and if you desaturate by 10%, it is **66.5707, 66.7370, 26.3580**.

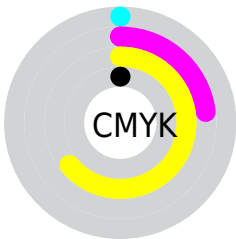
Distribution



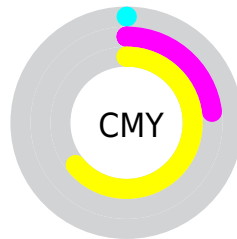
- Red (100%)
- Green (77%)
- Blue (36%)



- Red (71%)
- Yellow (100%)
- Blue (36%)



- Cyan (0%)
- Magenta (23%)
- Yellow (64%)
- Black (0%)





- Cyan (0%)
- Magenta (23%)
- Yellow (64%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 63.1380, 61.9652, 18.7580 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 63.1380, 61.9652, 18.7580 by changing the saturation by 10% instead.


 63.1380, 61.9652,
18.7580


 63.1380, 61.9652,
18.7580


425.7219,
431.8041, 257.4876


 46.2119, 45.0046,
11.3205


 108.4493,
107.6752, 42.1560


 32.6184, 31.4610,
6.1660


 137.5652,
137.1934, 58.9536

 21.9921, 20.9502,
2.8758


 171.4751,
171.6663, 79.7083

 13.9677, 13.0876,
1.0316

 210.5443,
211.4782, 104.8387

 8.1797, 7.4889,
0.0000

255.1383,
257.0135, 134.7633

 4.2629, 3.7697,
0.0000

305.6223,

 1.8519, 1.5456,

308.6567, 169.9006

0.0000

362.3617,
366.7921, 210.6692

■ 0.5487, 0.3205,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 63.1380, 61.9652,
18.7580

■ 63.1380, 61.9652,
18.7580

■ 60.2072, 57.5975,
13.1766

■ 66.5707, 66.7370,
26.3580

■ 57.7324, 53.6047,
9.4020

■ 70.5371, 71.9215,
36.1524

■ 55.6648, 49.9662,
7.1816

■ 75.0707, 77.5380,
48.3016

■ 54.5641, 47.9086,
6.3714

■ 80.2008, 83.6014,
62.9503

85.9546, 90.1256,
80.2311

92.3572, 97.1238,
100.2675

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.



76.2255, 61.9652, 26.0874



63.1380, 61.9652, 18.7580



50.6309, 61.9652, 20.2819

Triad

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



63.1380, 61.9652, 18.7580



38.5103, 61.9652, 95.5248



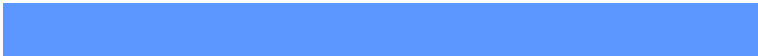
80.2420, 61.9652, 123.8583

Complementary

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



63.1380, 61.9652, 18.7580



33.3695, 31.3067, 98.8912

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.



68.0150, 61.9652, 158.7725



63.1380, 61.9652, 18.7580



44.4149, 61.9652, 138.6874

Square

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



63.1380, 61.9652, 18.7580



37.6009, 61.9652, 56.2838



54.8485, 61.9652, 165.0179



87.0122, 61.9652, 80.0471

Rectangle

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



63.1380, 61.9652, 18.7580



44.1847, 61.9652, 26.4440



54.8485, 61.9652, 165.0179



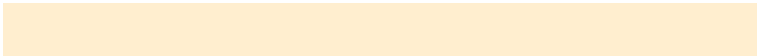
76.5564, 61.9652, 137.6091

Sweetspot

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



63.1394, 61.9682, 18.7592



82.9528, 86.7536, 71.1165



50.7157, 31.1741, 32.9506



17.4090, 18.1737, 14.1890



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.



63.1394, 61.9682, 18.7592



59.3987, 56.3289, 11.8321



71.3830, 89.6608, 23.6699



18.9857, 19.9395, 18.9924



28.6572, 25.3257, 3.3779



2.8934, 2.6722, 0.3633

Inverse Universe

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



33.3695, 31.3067, 98.8912



27.6188, 23.7107, 97.7287



28.7825, 18.4345, 96.6484



17.5318, 18.4352, 22.8843



11.5014, 7.9123, 50.3556



1.2184, 0.9675, 4.9358

Previews

White Background



This preview shows how the XYZ color 63.1380, 61.9652, 18.7580 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 63.1380, 61.9652, 18.7580 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 63.1380, 61.9652, 18.7580

Background



This preview shows how black text looks on a background with the XYZ color 63.1380, 61.9652, 18.7580.



This preview shows how white text looks on a background with the XYZ color 63.1380, 61.9652,

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

63.1380, 61.9652, 18.7580

Protanopia

56.6915, 62.1099, 19.8269

Deuteranopia

63.3176, 62.0370, 19.7035



Tritanopia

69.9802, 61.8722, 63.5125

Trichromacy



Original Color

63.1380, 61.9652, 18.7580

Protanomaly

58.6362, 61.6972, 19.4080

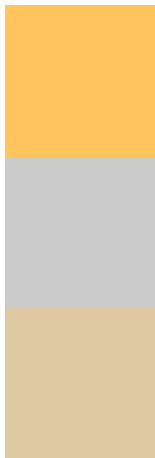
Deuteranomaly

63.2718, 62.0187, 19.4625

Tritanomaly

66.5227, 61.5325, 42.0890

Monochromacy



Original Color

63.1380, 61.9652, 18.7580

Achromatopsia

56.1383, 59.0619, 64.3184

Achromatomaly

56.9947, 59.2893, 42.6225

CSS Examples

Text

The CSS property to change the color of the text to XYZ 63.1380, 61.9652, 18.7580 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, 197, 92)` looks like.

```
.text, #text, p{  
    color:rgb(255, 197, 92)  
}
```

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, 197, 92) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 197, 92) }
```

Border

The CSS property to change the border of an element to XYZ 63.1380, 61.9652, 18.7580 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, 197, 92) }
```


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

```
.border{ border-color:rgb(255, 197, 92) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 197, 92)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 197, 92); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 197, 92);  
box-shadow:4px 4px 4px 4px rgb(255, 197,  
92) }
```

Background

The CSS property to change the background color of an element to XYZ 63.1380, 61.9652, 18.7580 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 197, 92) }
```

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

```
.background{ background-color: rgb(255,  
197, 92) }
```

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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