

Converting Colors

XYZ(63.2679, 61.6778, 20.4879)

Have a look what the booklet for
XYZ(63.2679, 61.6778, 20.4879)
contains.

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Color

**XYZ(63.2321, 61.6407,
20.3695)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | FFC463 |
| RGB | 255, 196, 99 |
| RGB Percent | 100%, 77%, 39% |
| CMY | 0.0000, 0.2313, 0.6118 |
| CMYK | 0.00, 0.23, 0.61, 0.00 |
| HSL | 37°, 100%, 69% |
| HSV | 37°, 61%, 100% |
| XYZ | 63.2321, 61.6407, 20.3695 |
| YIQ | 202.5830, 66.3010, -17.6590 |

Conversions

Conversions Part 2

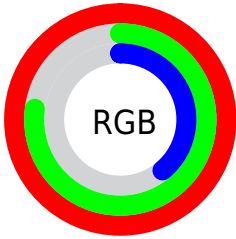
| Format | Color |
|-------------------------------------|--------------------------------|
| R_{YB} | 194, 255, 99 |
| Decimal | 16761955 |
| CIE _{Lab} | 82.72, 10.96, 55.83 |
| CIE _{LCh} | 83, 56.891, 78.893 |
| Yxy | 61.6407, 0.4354, 0.4244 |
| Android (android.graphics.Color) | 4294952035 (0xFFFFC463) |
| YUV | 202.5830, -51.0664, 45.9697 |
| Hunter-Lab | 78.5116, 6.3660, 39.5756 |

Details

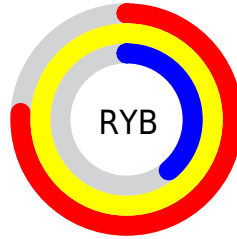
The XYZ color **63.2321, 61.6407, 20.3695** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **35.4219, 34.3250, 99.3658**, and the grayscale version is **56.7855, 59.7427, 65.0598**.

A 20% lighter version of the original color is **81.8002, 93.1807, 43.8113**, and **32.6718, 31.1454, 6.8744** is the 20% darker color. If you saturate the color by 10%, you get **60.0948, 57.0188, 14.2295**, and if you desaturate by 10%, it is **66.8969, 66.7022, 28.5848**.

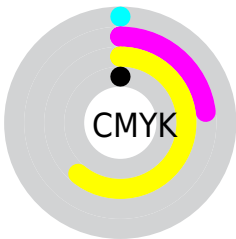
Distribution



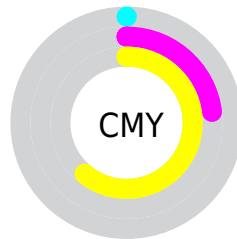
- Red (100%)
- Green (77%)
- Blue (39%)



- Red (76%)
- Yellow (100%)
- Blue (39%)



- Cyan (0%)
- Magenta (23%)
- Yellow (61%)
- Black (0%)





- Cyan (0%)
- Magenta (23%)
- Yellow (61%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 63.2321, 61.6407, 20.3695 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 63.2321, 61.6407, 20.3695 by changing the saturation by 10% instead.


 63.2321, 61.6407,
20.3695

 63.2321, 61.6407,
20.3695


426.0576,
430.6193, 266.5786


 46.2884, 44.7424,
12.4772


 108.5842,
107.2061, 44.9029


 32.6790, 31.2546,
6.9431

 137.7233,
136.6420, 62.3811

 22.0387, 20.7928,
3.3486


 171.6582,
171.0259, 83.8916

 14.0021, 12.9726,
1.2753

 210.7543,
210.7422, 109.8530

 8.2038, 7.4097,
0.0414

255.3770,
256.1753, 140.6839

 4.2786, 3.7196,
0.0000

305.8915,

 1.8609, 1.5180,

307.7096, 176.8027

0.0000

362.6633,
365.7294, 218.6281

■ 0.5540, 0.3013,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 63.2321, 61.6407,
20.3695

■ 63.2321, 61.6407,
20.3695

■ 60.0948, 57.0188,
14.2295

■ 66.8969, 66.7022,
28.5848

■ 57.4403, 52.8072,
9.9620

■ 71.1202, 72.2123,
39.0452

■ 55.2224, 48.9855,
7.3293

■ 75.9352, 78.1909,
51.9068

■ 53.5637, 45.9076,
6.0379

■ 81.3709, 84.6533,
67.3109

87.4542, 91.6141,
85.3875

94.2103, 99.0870,
106.2578

95.0498, 99.9999,
108.9000

Harmonies

Analogous

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



75.4351, 61.6407, 28.1066



63.2321, 61.6407, 20.3695



51.3034, 61.6407, 21.4564

Triad

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



63.2321, 61.6407, 20.3695



39.0487, 61.6407, 91.3509



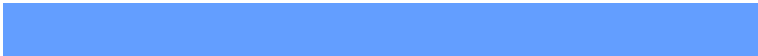
78.1369, 61.6407, 121.7982

Complementary

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



63.2321, 61.6407, 20.3695



35.4219, 34.3250, 99.3658

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.



66.5306, 61.6407, 153.0466



63.2321, 61.6407, 20.3695



44.4563, 61.6407, 131.6667

Square

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



63.2321, 61.6407, 20.3695



38.4219, 61.6407, 54.9685



54.1764, 61.6407, 157.1807



84.8034, 61.6407, 80.9336

Rectangle

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



63.2321, 61.6407, 20.3695



45.0375, 61.6407, 27.1812



54.1764, 61.6407, 157.1807



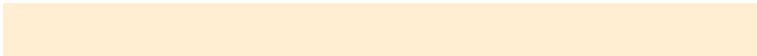
74.6148, 61.6407, 134.3038

Sweetspot

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



63.2335, 61.6437, 20.3707



83.2315, 86.8093, 72.7556



51.9427, 32.6804, 36.2809



17.4495, 18.1575, 14.5026



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.



63.2335, 61.6437, 20.3707



59.5758, 56.2204, 13.3175



72.8704, 90.3907, 25.4115



18.9503, 19.8688, 18.9806



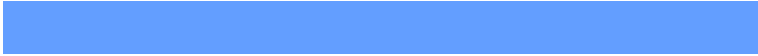
28.1368, 24.2848, 3.2045



2.8449, 2.5752, 0.3471

Inverse Universe

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



35.4219, 34.3250, 99.3658



29.7619, 27.0162, 98.2538



29.8754, 19.9401, 96.8816



17.5659, 18.5034, 22.8956



11.7699, 8.4494, 50.4451



1.2472, 1.0251, 4.9454

Previews

White Background



This preview shows how the XYZ color 63.2321, 61.6407, 20.3695 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 63.2321, 61.6407, 20.3695 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 63.2321, 61.6407, 20.3695

Background



This preview shows how black text looks on a background with the XYZ color 63.2321, 61.6407, 20.3695.



This preview shows how white text looks on a background with the XYZ color 63.2321, 61.6407,

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

63.2321, 61.6407, 20.3695

Protanopia

56.4645, 61.5959, 21.4836

Deuteranopia

62.8651, 61.4515, 20.3524



Tritanopia

69.6485, 61.3966, 62.8234

Trichromacy



Original Color

63.2321, 61.6407, 20.3695

Protanomaly

58.7294, 61.3578, 21.0598

Deuteranomaly

62.8651, 61.4515, 20.3524

Tritanomaly

66.4817, 61.1659, 42.9526

Monochromacy



Original Color

63.2321, 61.6407, 20.3695

Achromatopsia

56.7640, 59.7202, 65.0353

Achromatomaly

57.5700, 59.5548, 44.0583

CSS Examples

Text

The CSS property to change the color of the text to XYZ 63.2321, 61.6407, 20.3695 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, 196, 99)` looks like.

```
.text, #text, p{  
    color:rgb(255, 196, 99)  
}
```

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, 196, 99) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 196, 99) }
```

Border

The CSS property to change the border of an element to XYZ 63.2321, 61.6407, 20.3695 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, 196, 99) }
```


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

```
.border{ border-color:rgb(255, 196, 99) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 196, 99)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 196, 99); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 196, 99);  
box-shadow:4px 4px 4px 4px rgb(255, 196,  
99) }
```

Background

The CSS property to change the background color of an element to XYZ 63.2321, 61.6407, 20.3695 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 196, 99) }
```

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

```
.background{ background-color: rgb(255,  
196, 99) }
```

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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