

Converting Colors

XYZ(63.5852, 62.3124, 20.5937)

Have a look what the booklet for
XYZ(63.5852, 62.3124, 20.5937)
contains.

XYZ(63.4584, 62.0934, 20.4450)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(63.4584, 62.0934,
20.4450)**

Conversions

Conversions Part 1

Format	Color
Hex	FFC563
RGB	255, 197, 99
RGB Percent	100%, 77%, 39%
CMY	0.0000, 0.2274, 0.6118
CMYK	0.00, 0.23, 0.61, 0.00
HSL	38°, 100%, 69%
HSV	38°, 61%, 100%
XYZ	63.4584, 62.0934, 20.4450
YIQ	203.1700, 66.0260, -18.1820

Conversions

Conversions Part 2

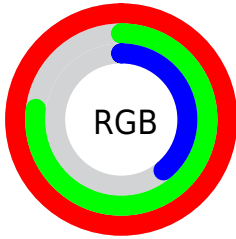
Format	Color
RYB	191, 255, 99
Decimal	16762211
CIELab	82.96, 10.44, 56.10
CIELCh	83, 57.063, 79.457
Yxy	62.0934, 0.4347, 0.4253
Android (android.graphics.Color)	4294952291 (0xFFFFC563)
YUV	203.1700, -51.3558, 45.4549
Hunter-Lab	78.7994, 5.8500, 39.7764

Details

The XYZ color **63.4584, 62.0934, 20.4450** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **35.2520, 33.9851, 99.3090**, and the grayscale version is **57.1567, 60.1332, 65.4851**.

A 20% lighter version of the original color is **82.4316, 94.4435, 44.0218**, and **32.8213, 31.4443, 6.9243** is the 20% darker color. If you saturate the color by 10%, you get **60.3415, 57.5124, 14.3118**, and if you desaturate by 10%, it is **67.0984, 67.1052, 28.6521**.

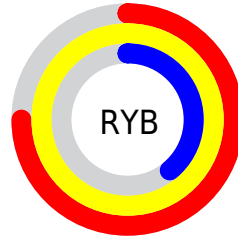
Distribution



Red (100%)

Green (77%)

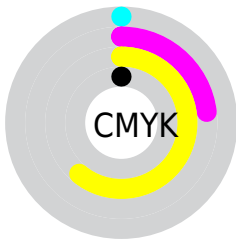
Blue (39%)



Red (75%)

Yellow (100%)

Blue (39%)

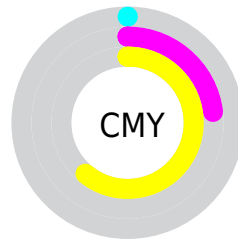


Cyan (0%)

Magenta (23%)

Yellow (61%)

Black (0%)



Cyan (0%)


Magenta (23%)

Yellow (61%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 63.4584, 62.0934, 20.4450 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 63.4584, 62.0934, 20.4450 by changing the saturation by 10% instead.


 63.4584, 62.0934,
20.4450


 63.4584, 62.0934,
20.4450


426.8645,
432.2717, 266.9976


 46.4722, 45.1082,
12.5316


 108.9087,
107.8605, 45.0307


 32.8248, 31.5426,
6.9799


 138.1035,
137.4112, 62.5402

 22.1508, 21.0124,
3.3713


 172.0985,
171.9191, 84.0855

 14.0850, 13.1331,
1.2872

 211.2591,
211.7687, 110.0851

 8.2619, 7.5202,
0.0513

255.9506,
257.3444, 140.9575

 4.3162, 3.7895,
0.0000

306.5385,

 1.8825, 1.5565,

309.0305, 177.1214

0.0000

363.3880,
367.2115, 218.9952

■ 0.5667, 0.3280,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 63.4584, 62.0934,
20.4450

■ 63.4584, 62.0934,
20.4450

■ 60.3415, 57.5124,
14.3118

■ 67.0984, 67.1052,
28.6521

■ 57.7032, 53.3330,
10.0496

■ 71.2923, 72.5565,
39.1026

■ 55.4972, 49.5351,
7.4210

■ 76.0731, 78.4668,
51.9529

■ 53.8456, 46.4716,
6.1319

■ 81.4698, 84.8512,
67.3440

87.5092, 91.7242,
85.4059

94.2163, 99.0991,
106.2599

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.



75.7910, 62.0934, 28.0526



63.4584, 62.0934, 20.4450



51.4746, 62.0934, 21.6992

Triad

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



63.4584, 62.0934, 20.4450



39.3840, 62.0934, 92.8150



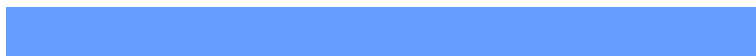
78.9084, 62.0934, 121.9803

Complementary

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



63.4584, 62.0934, 20.4450



35.2520, 33.9851, 99.3090

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.



67.2643, 62.0934, 153.8552



63.4584, 62.0934, 20.4450



44.9223, 62.0934, 133.3664

Square

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



63.4584, 62.0934, 20.4450



38.6608, 62.0934, 55.9421



54.7896, 62.0934, 158.6249



85.4997, 62.0934, 80.7950

Rectangle

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



63.4584, 62.0934, 20.4450



45.2093, 62.0934, 27.5957



54.7896, 62.0934, 158.6249



75.3857, 62.0934, 134.6695

Sweetspot

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



63.4599, 62.0964, 20.4462



83.3170, 86.9805, 72.7842



51.9427, 32.6804, 36.2809



17.4705, 18.1994, 14.5095



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.



63.4599, 62.0964, 20.4462



59.8259, 56.7205, 13.4008



72.8703, 90.3906, 25.4116



18.9604, 19.8890, 18.9840



28.2835, 24.5783, 3.2534



2.8586, 2.6026, 0.3517

Inverse Universe

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



35.2520, 33.9851, 99.3090



29.5896, 26.6717, 98.1963



29.8754, 19.9401, 96.8814



17.5561, 18.4838, 22.8924



11.6910, 8.2916, 50.4188



1.2388, 1.0083, 4.9426

Previews

White Background



This preview shows how the XYZ color 63.4584, 62.0934, 20.4450 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 63.4584, 62.0934, 20.4450 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

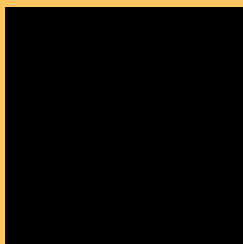
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 63.4584, 62.0934, 20.4450

Background



This preview shows how black text looks on a background with the XYZ color 63.4584, 62.0934, 20.4450.



This preview shows how white text looks on a background with the XYZ color 63.4584, 62.0934,

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

63.4584, 62.0934, 20.4450

Protanopia

57.0242, 62.2430, 21.5790

Deuteranopia

63.5065, 62.1126, 20.6984



Tritanopia

69.9802, 61.8722, 63.5125

Trichromacy



Original Color

63.4584, 62.0934, 20.4450

Protanomaly

58.9648, 61.8286, 21.1383

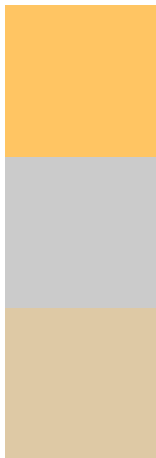
Deuteranomaly

63.5065, 62.1126, 20.6984

Tritanomaly

66.7905, 61.6396, 43.4994

Monochromacy



Original Color

63.4584, 62.0934, 20.4450

Achromatopsia

56.7640, 59.7202, 65.0353

Achromatomaly

57.8024, 60.0195, 44.1357

CSS Examples

Text

The CSS property to change the color of the text to XYZ 63.4584, 62.0934, 20.4450 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, 99)` looks like.

```
.text, #text, p{  
    color:rgb(255, 197, 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, 197, 99) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 197, 99) }
```

Border

The CSS property to change the border of an element to XYZ 63.4584, 62.0934, 20.4450 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, 99) }
```


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

```
.border{ border-color:rgb(255, 197, 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, 197, 99) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 197, 99); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 197, 99);  
box-shadow:4px 4px 4px 4px rgb(255, 197,  
99) }
```

Background

The CSS property to change the background color of an element to XYZ 63.4584, 62.0934, 20.4450 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, 99) }
```

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

```
.background{ background-color: rgb(255,  
197, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor