

Converting Colors

XYZ(81.4023, 71.5117, 24.9583)

Have a look what the booklet for
XYZ(81.4023, 71.5117, 24.9583)
contains.

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Color

**XYZ(64.3587, 62.8180,
24.0623)**

Conversions

Conversions Part 1

Format	Color
Hex	FFC670
RGB	255, 198, 112
RGB Percent	100%, 78%, 44%
CMY	0.0000, 0.2235, 0.5608
CMYK	0.00, 0.22, 0.56, 0.00
HSL	36°, 100%, 72%
HSV	36°, 56%, 100%
XYZ	64.3587, 62.8180, 24.0623
YIQ	205.2390, 61.5780, -14.6620

Conversions

Conversions Part 2

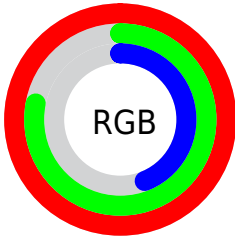
Format	Color
R_{YB}	207, 255, 112
Decimal	16762480
CIE _{Lab}	83.35, 10.84, 50.37
CIE _{LCh}	83, 51.524, 77.850
Yxy	62.8180, 0.4255, 0.4154
Android (android.graphics.Color)	4294952560 (0xFFFFC670)
YUV	205.2390, -45.9668, 43.6404
Hunter-Lab	79.2578, 6.2439, 37.4803

Details

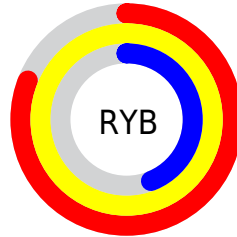
The XYZ color **64.3587, 62.8180, 24.0623** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **38.9195, 39.0391, 100.0913**, and the grayscale version is **58.4380, 61.4813, 66.9532**.

A 20% lighter version of the original color is **83.8829, 95.5332, 50.0950**, and **33.3212, 31.8855, 8.8132** is the 20% darker color. If you saturate the color by 10%, you get **60.8896, 57.8395, 16.8656**, and if you desaturate by 10%, it is **68.3886, 68.2752, 33.4303**.

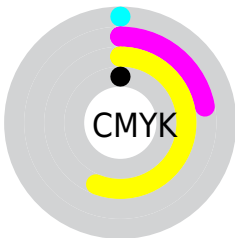
Distribution



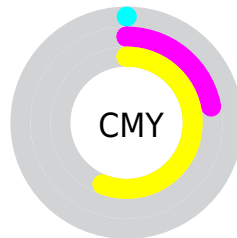
- Red (100%)
- Green (78%)
- Blue (44%)



- Red (81%)
- Yellow (100%)
- Blue (44%)



- Cyan (0%)
- Magenta (22%)
- Yellow (56%)
- Black (0%)



- Cyan (0%)
- Magenta (22%)
- Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 64.3587, 62.8180, 24.0623 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 64.3587, 62.8180, 24.0623 by changing the saturation by 10% instead.

64.3587, 62.8180,
24.0623

64.3587, 62.8180,
24.0623

430.0655,
434.9087, 286.4320

47.2040, 45.6940,
15.1672

110.1982,
108.9069, 51.0770

33.4056, 32.0044,
8.7889

139.6138,
138.6406, 70.0336

22.5981, 21.3649,
4.5088

173.8470,
173.3463, 93.1812

14.4161, 13.3910,
1.9084

213.2632,
213.4084, 120.9382

8.4942, 7.6983,
0.4981

258.2278,
259.2112, 153.7233

4.4672, 3.9025,
0.0000

309.1062,

1.9697, 1.6192,

311.1393, 191.9549

0.0000

366.2636,
369.5770, 236.0516

0.6169, 0.3705,
0.0000

0.0000, 0.0000,
0.0000

64.3587, 62.8180,
24.0623

64.3587, 62.8180,
24.0623

60.8896, 57.8395,
16.8656

68.3886, 68.2752,
33.4303

57.9390, 53.3105,
11.6515

73.0088, 74.2201,
45.1295

55.4643, 49.2115,
8.2050

78.2514, 80.6728,
59.3086

53.4115, 45.5156,
6.2575

84.1447, 87.6490,
76.1030

■ 52.6912, 44.1627,
5.7471

■ 90.7151, 95.1636,
95.6382

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.



75.3690, 62.8180, 32.0839



64.3587, 62.8180, 24.0623



53.3412, 62.8180, 24.8626

Triad

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



64.3587, 62.8180, 24.0623



41.4519, 62.8180, 89.1156



77.1527, 62.8180, 118.7434

Complementary

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



64.3587, 62.8180, 24.0623



38.9195, 39.0391, 100.0913

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.



66.5594, 62.8180, 145.5781



64.3587, 62.8180, 24.0623



46.3799, 62.8180, 125.1228

Square

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



64.3587, 62.8180, 24.0623



41.0185, 62.8180, 56.2119



55.2843, 62.8180, 148.2221



83.3513, 62.8180, 82.2294

Rectangle

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



64.3587, 62.8180, 24.0623



47.4348, 62.8180, 30.3198



55.2843, 62.8180, 148.2221



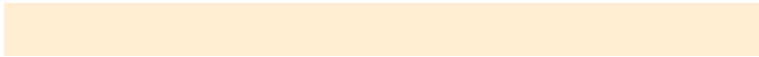
73.9311, 62.8180, 129.6293

Sweetspot

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



64.3602, 62.8210, 24.0635



83.5733, 86.9834, 74.4408



54.2146, 35.7210, 41.6727



17.6259, 18.3110, 15.1758



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.



64.3602, 62.8210, 24.0635



60.5965, 57.4033, 16.3045



74.8578, 91.3375, 29.0145



18.9182, 19.8046, 18.9699



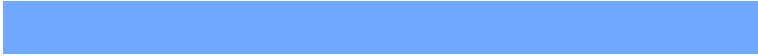
27.6824, 23.3761, 3.0530



2.8022, 2.4898, 0.3329

Inverse Universe

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



38.9195, 39.0391, 100.0913



32.9875, 31.6475, 98.9777



32.4932, 23.2675, 97.3858



17.5971, 18.5658, 22.9060



12.0315, 8.9725, 50.5323



1.2747, 1.0802, 4.9546

Previews

White Background



This preview shows how the XYZ color 64.3587, 62.8180, 24.0623 looks on a white background.

Color Contrast Check

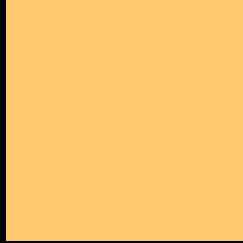
Large Text (above 18pt) WCAG AA × Fail

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 64.3587, 62.8180, 24.0623 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 64.3587, 62.8180, 24.0623

Background



This preview shows how black text looks on a background with the XYZ color 64.3587, 62.8180, 24.0623.



This preview shows how white text looks on a background with the XYZ color 64.3587, 62.8180,

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

64.3587, 62.8180, 24.0623

Protanopia

58.0214, 63.0307, 25.6311

Deuteranopia

64.3587, 62.8180, 24.0623



Tritanopia

70.6503, 62.8334, 64.9043

Trichromacy



Original Color

64.3587, 62.8180, 24.0623

Protanomaly

59.9473, 62.6007, 25.1432

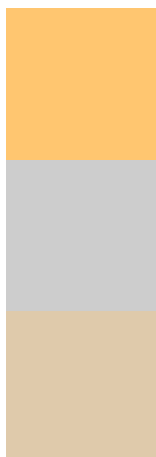
Deuteranomaly

64.3587, 62.8180, 24.0623

Tritanomaly

67.7875, 62.7459, 46.5686

Monochromacy



Original Color

64.3587, 62.8180, 24.0623

Achromatopsia

58.0276, 61.0496, 66.4830

Achromatomaly

58.9026, 60.8693, 47.1725

CSS Examples

Text

The CSS property to change the color of the text to XYZ 64.3587, 62.8180, 24.0623 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, 112)` looks like.

```
.text, #text, p{  
    color:rgb(255, 198, 112)  
}
```

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, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 198, 112) }
```

Border

The CSS property to change the border of an element to XYZ 64.3587, 62.8180, 24.0623 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, 112) }
```


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

```
.border{ border-color:rgb(255, 198, 112) }
```

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, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 198, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 198, 112);  
box-shadow:4px 4px 4px 4px rgb(255, 198,  
112) }
```

Background

The CSS property to change the background color of an element to XYZ 64.3587, 62.8180, 24.0623 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, 112) }
```

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

```
.background{ background-color: rgb(255,  
198, 112) }
```

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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