

Converting Colors

XYZ(64.2890, 62.1879, 25.5961)

Have a look what the booklet for
XYZ(64.2890, 62.1879, 25.5961)
contains.

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Color

**XYZ(64.1908, 62.0242,
25.4183)**

Conversions

Conversions Part 1

Format	Color
Hex	FFC475
RGB	255, 196, 117
RGB Percent	100%, 77%, 46%
CMY	0.0000, 0.2313, 0.5412
CMYK	0.00, 0.23, 0.54, 0.00
HSL	34°, 100%, 73%
HSV	34°, 54%, 100%
XYZ	64.1908, 62.0242, 25.4183
YIQ	204.6350, 60.5230, -12.0610

Conversions

Conversions Part 2

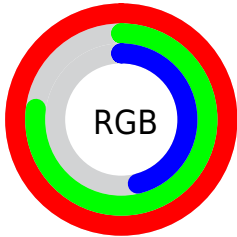
Format	Color
R _Y B	220, 255, 117
Decimal	16761973
CIE Lab	82.93, 12.27, 47.42
CIE LCh	83, 48.978, 75.487
Yxy	62.0242, 0.4233, 0.4090
Android (android.graphics.Color)	4294952053 (0xFFFFC475)
YUV	204.6350, -43.2041, 44.1701
Hunter-Lab	78.7554, 7.6671, 35.9930

Details

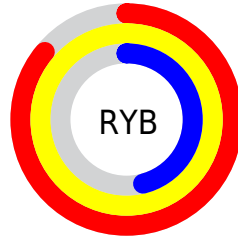
The XYZ color **64.1908, 62.0242, 25.4183** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **40.9108, 42.0508, 100.5677**, and the grayscale version is **58.0366, 61.0590, 66.4932**.

A 20% lighter version of the original color is **83.7160, 94.4508, 52.3466**, and **33.1620, 31.3415, 9.4559** is the 20% darker color. If you saturate the color by 10%, you get **60.5210, 56.7661, 17.7787**, and if you desaturate by 10%, it is **68.4506, 67.8090, 35.2701**.

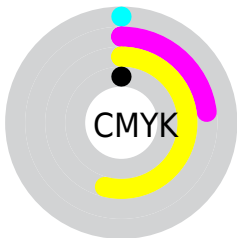
Distribution



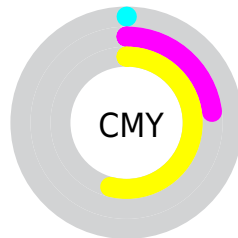
- Red (100%)
- Green (77%)
- Blue (46%)



- Red (86%)
- Yellow (100%)
- Blue (46%)



- Cyan (0%)
- Magenta (23%)
- Yellow (54%)
- Black (0%)





- Cyan (0%)
- Magenta (23%)
- Yellow (54%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 64.1908, 62.0242, 25.4183 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 64.1908, 62.0242, 25.4183 by changing the saturation by 10% instead.


 64.1908, 62.0242,
25.4183


 64.1908, 62.0242,
25.4183


429.4696,
432.0194, 293.4288


 47.0675, 45.0523,
16.1671


 109.9579,
107.7605, 53.3075

 33.2972, 31.4986,
9.4869

 139.3323,
137.2937, 72.7827

 22.5145, 20.9788,
4.9590


 173.5212,
171.7827, 96.5029

 14.3542, 13.1085,
2.1649

212.8899,
211.6119, 124.8867

 8.4508, 7.5033,
0.6540

257.8038,
257.1658, 158.3526

 4.4389, 3.7788,
0.0000

308.6281,

 1.9533, 1.5506,

308.8288, 197.3193

0.0000

365.7283,
366.9851, 242.2052

■ 0.6075, 0.3240,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 64.1908, 62.0242,
25.4183

■ 64.1908, 62.0242,
25.4183

■ 60.5210, 56.7661,
17.7787

■ 68.4506, 67.8090,
35.2701

■ 57.3989, 52.0045,
12.1673

■ 73.3298, 74.1309,
47.4907

■ 54.7826, 47.7189,
8.3759

■ 78.8607, 81.0108,
62.2266

■ 52.6197, 43.8818,
6.1487

■ 85.0720, 88.4658,
79.6112

51.5170, 41.8143,
5.3557

91.9902, 96.5119,
99.7685

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.



74.3714, 62.0242, 33.9628



64.1908, 62.0242, 25.4183



53.6925, 62.0242, 25.5520

Triad

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



64.1908, 62.0242, 25.4183



41.4626, 62.0242, 84.2901



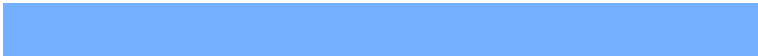
74.6568, 62.0242, 117.0829

Complementary

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



64.1908, 62.0242, 25.4183



40.9108, 42.0508, 100.5677

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.



64.5445, 62.0242, 140.5457



64.1908, 62.0242, 25.4183



45.8265, 62.0242, 118.0950

Square

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



64.1908, 62.0242, 25.4183



41.3920, 62.0242, 53.9784



54.0066, 62.0242, 140.9633



80.8859, 62.0242, 83.1876

Rectangle

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



64.1908, 62.0242, 25.4183



47.9283, 62.0242, 30.3753



54.0066, 62.0242, 140.9633



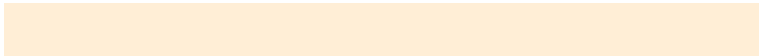
71.5487, 62.0242, 126.8446

Sweetspot

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



64.1923, 62.0272, 25.4195



83.8493, 87.0174, 76.1290



55.5174, 37.1494, 45.7356



17.6671, 18.2915, 15.5039



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.



64.1923, 62.0272, 25.4195



60.2239, 56.3259, 17.2042



76.9067, 92.3607, 30.6044



18.8728, 19.7138, 18.9548



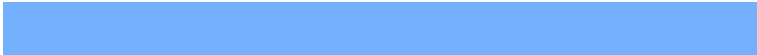
27.0701, 22.1514, 2.8489



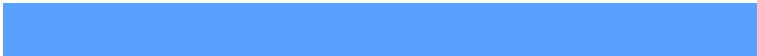
2.7442, 2.3737, 0.3135

Inverse Universe

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



40.9108, 42.0508, 100.5677



34.7832, 34.5349, 99.4404



33.0455, 24.3941, 97.5742



17.6415, 18.6545, 22.9208



12.4306, 9.7708, 50.6654



1.3161, 1.1628, 4.9684

Previews

White Background



This preview shows how the XYZ color 64.1908, 62.0242, 25.4183 looks on a white background.

Color Contrast Check

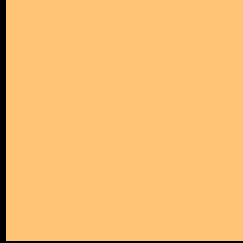
Large Text (above 18pt) WCAG AA × Fail

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 64.1908, 62.0242, 25.4183 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 64.1908, 62.0242, 25.4183

Background



This preview shows how black text looks on a background with the XYZ color 64.1908, 62.0242, 25.4183.



This preview shows how white text looks on a background with the XYZ color 64.1908, 62.0242,

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

64.1908, 62.0242, 25.4183

Protanopia

57.4426, 62.3370, 27.0939

Deuteranopia

63.3220, 61.9123, 25.4425



Tritanopia

69.9802, 61.8722, 63.5125

Trichromacy



Original Color

64.1908, 62.0242, 25.4183

Protanomaly

59.6712, 62.0725, 26.6055

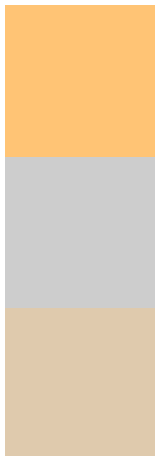
Deuteranomaly

63.6852, 62.0995, 25.4595

Tritanomaly

67.3453, 61.8616, 46.4212

Monochromacy



Original Color

64.1908, 62.0242, 25.4183

Achromatopsia

58.0276, 61.0496, 66.4830

Achromatomaly

59.0948, 60.9462, 48.1843

CSS Examples

Text

The CSS property to change the color of the text to XYZ 64.1908, 62.0242, 25.4183 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, 117)` looks like.

```
.text, #text, p{  
    color:rgb(255, 196, 117)  
}
```

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, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 196, 117) }
```

Border

The CSS property to change the border of an element to XYZ 64.1908, 62.0242, 25.4183 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, 117) }
```


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

```
.border{ border-color:rgb(255, 196, 117) }
```

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, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 196, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 196, 117);  
box-shadow:4px 4px 4px 4px rgb(255, 196,  
117) }
```

Background

The CSS property to change the background color of an element to XYZ 64.1908, 62.0242, 25.4183 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, 117) }
```

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

```
.background{ background-color: rgb(255,  
196, 117) }
```

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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