

Converting Colors

XYZ(58.4827, 61.4140, 22.6150)

Have a look what the booklet for
XYZ(58.4827, 61.4140, 22.6150)
contains.

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Color

**XYZ(58.6018, 61.6063,
22.7125)**

Conversions

Conversions Part 1

Format	Color
Hex	ECCB6B
RGB	236, 203, 107
RGB Percent	93%, 80%, 42%
CMY	0.0745, 0.2039, 0.5804
CMYK	0.00, 0.14, 0.55, 0.07
HSL	45°, 77%, 67%
HSV	45°, 55%, 93%
XYZ	58.6018, 61.6063, 22.7125
YIQ	201.9230, 50.4840, -22.8600

Conversions

Conversions Part 2

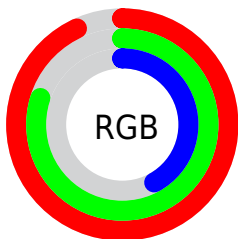
Format	Color
RYB	151, 236, 107
Decimal	15518571
CIELab	82.70, 0.11, 51.57
CIELCh	83, 51.566, 89.874
Yxy	61.6063, 0.4100, 0.4311
Android (android.graphics.Color)	4293708651 (0xFFECCB6B)
YUV	201.9230, -46.7970, 29.8855
Hunter-Lab	78.4897, -4.0856, 37.7861

Details

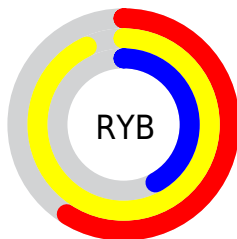
The XYZ color **58.6018, 61.6063, 22.7125** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **30.5814, 27.9370, 83.1369**, and the grayscale version is **56.3530, 59.2878, 64.5644**.

A 20% lighter version of the original color is **83.4330, 95.3532, 47.7258**, and **29.7971, 31.2357, 8.0730** is the 20% darker color. If you saturate the color by 10%, you get **56.1283, 58.3825, 16.5761**, and if you desaturate by 10%, it is **61.4726, 65.0824, 30.6541**.

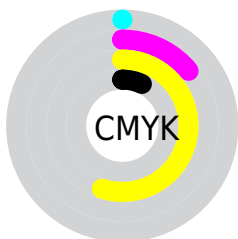
Distribution



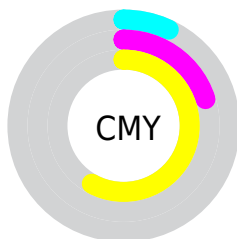
- Red (93%)
- Green (80%)
- Blue (42%)



- Red (59%)
- Yellow (93%)
- Blue (42%)



- Cyan (0%)
- Magenta (14%)
- Yellow (55%)
- Black (7%)



- Cyan (7%)
- Magenta (20%)
- Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 58.6018, 61.6063, 22.7125 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 58.6018, 61.6063, 22.7125 by changing the saturation by 10% instead.

■ 58.6018, 61.6063,
22.7125

■ 58.6018, 61.6063,
22.7125

409.3425,
430.4936, 279.3188

■ 42.5378, 44.7147,
14.1781

■ 101.9166,
107.1563, 48.8380

■ 29.7156, 31.2327,
8.1045

■ 129.8982,
136.5835, 67.2662

■ 19.7698, 20.7761,
4.0731

■ 162.5829,
170.9580, 89.8293

■ 12.3351, 12.9605,
1.6655

■ 200.3363,
210.6641, 116.9460

■ 7.0461, 7.4013,
0.3370

243.5235,
256.0864, 149.0347

■ 3.5376, 3.7143,
0.0000

292.5101,

■ 1.4440, 1.5151,

307.6091, 186.5141

0.0000

347.6613,
365.6167, 229.8026

■ 0.2873, 0.2993,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 58.6018, 61.6063,
22.7125

■ 58.6018, 61.6063,
22.7125

■ 56.1283, 58.3825,
16.5761

■ 61.4726, 65.0824,
30.6541

■ 54.0187, 55.3898,
12.0919


■ 64.7619, 68.8135,
40.5294


■ 52.2411, 52.6167,
9.0880


■ 68.4946, 72.8126,
52.4598


■ 50.7544, 50.0457,
7.3522


■ 72.6922, 77.0894,
66.5554


 50.0464, 48.7419,
6.7704

 77.3746, 81.6527,
82.9184

 82.5605, 86.5110,
101.6446

 85.3726, 90.5143,
107.5791

 87.2312, 94.2315,
108.1987

 88.4018, 96.5727,
108.5889

Harmonies

Analogous

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



69.9044, 61.6063, 26.9533



58.6018, 61.6063, 22.7125



48.5772, 61.6063, 26.8803

Triad

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



58.6018, 61.6063, 22.7125



41.9651, 61.6063, 102.2655



78.9683, 61.6063, 102.5736

Complementary

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



58.6018, 61.6063, 22.7125



30.5814, 27.9370, 83.1369

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.



69.8131, 61.6063, 135.0625



58.6018, 61.6063, 22.7125



48.5056, 61.6063, 134.8487

Square

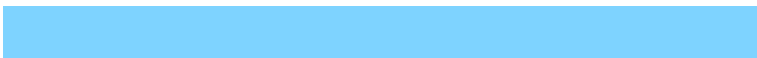
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



58.6018, 61.6063, 22.7125



39.7400, 61.6063, 66.9447



58.5081, 61.6063, 148.3981



82.5311, 61.6063, 67.2130

Rectangle

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



58.6018, 61.6063, 22.7125



43.7371, 61.6063, 34.9556



58.5081, 61.6063, 148.3981



76.3903, 61.6063, 114.5503

Sweetspot

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



58.6033, 61.6092, 22.7137



85.9240, 91.1670, 76.8206



44.6875, 30.2838, 28.8464



18.1635, 19.2841, 15.6693



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.



58.6033, 61.6092, 22.7137



66.4802, 69.0075, 18.7686



58.0751, 74.1596, 25.1641



16.0069, 16.9368, 15.9442



27.6960, 27.0863, 3.7684



2.2511, 2.2796, 0.3214

Inverse Universe

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



30.5814, 27.9370, 83.1369



29.9013, 25.1295, 97.8822



30.7315, 21.8991, 81.9636



14.5443, 15.1751, 19.0848



9.3346, 5.3163, 44.2771



0.8083, 0.5681, 3.5019

Previews

White Background



This preview shows how the XYZ color 58.6018, 61.6063, 22.7125 looks on a white background.

Color Contrast Check

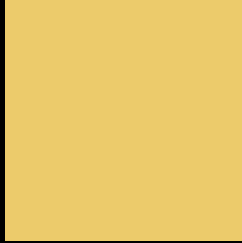
Large Text (above 18pt) WCAG AA × Fail

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 58.6018, 61.6063, 22.7125 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 58.6018, 61.6063, 22.7125

Background



This preview shows how black text looks on a background with the XYZ color 58.6018, 61.6063, 22.7125.



This preview shows how white text looks on a background with the XYZ color 58.6018, 61.6063,

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

58.6018, 61.6063, 22.7125

Protanopia

56.4566, 61.5562, 23.0933

Deuteranopia

63.0083, 61.4666, 23.0114



Tritanopia

67.7683, 61.6167, 67.3529

Trichromacy



Original Color

58.6018, 61.6063, 22.7125

Protanomaly

57.1712, 61.5683, 23.0580

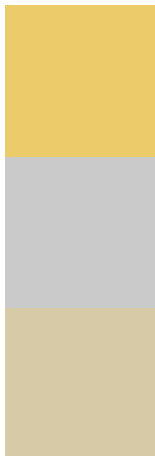
Deuteranomaly

61.4880, 61.7037, 22.8566

Tritanomaly

63.7086, 61.2974, 47.0018

Monochromacy



Original Color

58.6018, 61.6063, 22.7125

Achromatopsia

56.1383, 59.0619, 64.3184

Achromatomaly

55.8271, 59.3272, 45.0681

CSS Examples

Text

The CSS property to change the color of the text to XYZ 58.6018, 61.6063, 22.7125 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(236, 203, 107)` looks like.

```
.text, #text, p{  
    color:rgb(236, 203, 107)  
}
```

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(236, 203, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 203, 107) }
```

Border

The CSS property to change the border of an element to XYZ 58.6018, 61.6063, 22.7125 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(236, 203, 107) }
```


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

```
.border{ border-color:rgb(236, 203, 107) }
```

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

Here you see how a box with a 4 pixel `rgb(236, 203, 107)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(236, 203, 107); -webkit-box-shadow:4px 4px 4px 4px rgb(236, 203, 107); box-shadow:4px 4px 4px 4px rgb(236, 203, 107) }
```

Background

The CSS property to change the background color of an element to XYZ 58.6018, 61.6063, 22.7125 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 203, 107) }
```

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

```
.background{ background-color: rgb(236,  
203, 107) }
```

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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