

# Converting Colors

XYZ(57.5645, 60.3617, 26.6385)

Have a look what the booklet for  
XYZ(57.5645, 60.3617, 26.6385)  
contains.

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# Color

**XYZ(57.6165, 60.3096,  
26.6934)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E8C979
RGB	232, 201, 121
RGB Percent	91%, 79%, 47%
CMY	0.0902, 0.2117, 0.5255
CMYK	0.00, 0.13, 0.48, 0.09
HSL	43°, 71%, 69%
HSV	43°, 48%, 91%
XYZ	57.6165, 60.3096, 26.6934
YIQ	201.1490, 44.1560, -18.3080

# Conversions

## Conversions Part 2

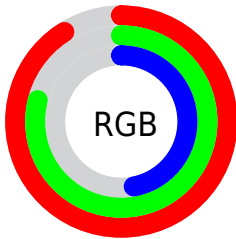
Format	Color
<a href="#">RYB</a>	<a href="#">164, 232, 121</a>
Decimal	<a href="#">15255929</a>
CIELab	<a href="#">82.01, 0.72, 43.80</a>
CIELCh	<a href="#">82, 43.809, 89.057</a>
Yxy	<a href="#">60.3096, 0.3984, 0.4170</a>
Android (android.graphics.Color)	<a href="#">4293446009</a> ( <a href="#">0xFFE8C979</a> )
YUV	<a href="#">201.1490, -39.5135, 27.0563</a>
Hunter-Lab	<a href="#">77.6593, -3.4720, 33.9820</a>

# Details

The XYZ color **57.6165, 60.3096, 26.6934** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **33.6784, 32.3464, 80.8119**, and the grayscale version is **55.8293, 58.7368, 63.9644**.

A 20% lighter version of the original color is **84.7379, 95.8751, 54.5970**, and **28.9948, 30.3083, 10.1163** is the 20% darker color. If you saturate the color by 10%, you get **54.8834, 56.8529, 19.5875**, and if you desaturate by 10%, it is **60.7584, 64.0362, 35.6246**.

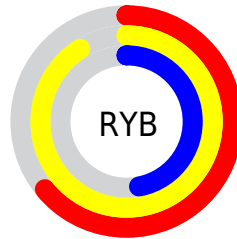
# Distribution



Red (91%)

Green (79%)

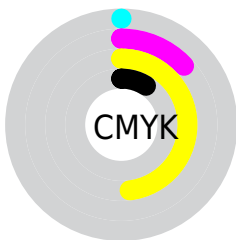
Blue (47%)



Red (64%)

Yellow (91%)

Blue (47%)

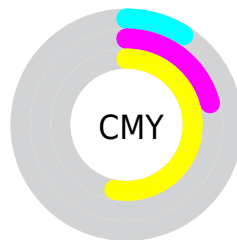


Cyan (0%)

Magenta (13%)

Yellow (48%)

Black (9%)



Cyan (9%)

Magenta (21%)

Yellow (53%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 57.6165, 60.3096, 26.6934 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 57.6165, 60.3096, 26.6934 by changing the saturation by 10% instead.



■ 57.6165, 60.3096,  
26.6934

■ 57.6165, 60.3096,  
26.6934

405.7323,  
425.7380, 299.8826

■ 41.7425, 43.6682,  
17.1127

■ 100.4904,  
105.2787, 55.3892

■ 29.0899, 30.4098,  
10.1521

■ 128.2209,  
134.3751, 75.3414

■ 19.2935, 20.1498,  
5.3930

■ 160.6344,  
168.3921, 99.5879

■ 11.9878, 12.5040,  
2.4169

198.0960,  
207.7139, 128.5471

■ 6.8075, 7.0879,  
0.7956

240.9713,  
252.7250, 162.6376

■ 3.3873, 3.5171,  
0.0000

289.6256,

■ 1.3617, 1.4073,

303.8098, 202.2780

0.0000

344.4241,  
361.3527, 247.8868

■ 0.2287, 0.2221,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 57.6165, 60.3096,  
26.6934

■ 57.6165, 60.3096,  
26.6934

■ 54.8834, 56.8529,  
19.5875

■ 60.7584, 64.0362,  
35.6246

■ 52.5289, 53.6462,  
14.1717


■ 64.3279, 68.0347,  
46.4961


■ 50.5254, 50.6792,  
10.2978


■ 68.3477, 72.3176,  
59.4174

■ 48.8389, 47.9371,  
7.7901


■ 72.8376, 76.8941,  
74.4891


 47.4226, 45.4000,  
6.4073


 77.8162, 81.7727,  
91.8048

 47.1374, 44.8735,  
6.1770

 82.4516, 86.6219,  
106.9818

 84.3916, 90.5018,  
107.6284

 86.4003, 94.5192,  
108.2980

 87.0885, 95.8957,  
108.5274

# Harmonies

## Analogous

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



66.9900, 60.3096, 30.8800



57.6165, 60.3096, 26.6934



49.0899, 60.3096, 30.3745

# Triad

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



57.6165, 60.3096, 26.6934



43.1038, 60.3096, 93.7273



74.0189, 60.3096, 95.5853

# Complementary

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



57.6165, 60.3096, 26.6934



33.6784, 32.3464, 80.8119

# 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.



66.4275, 60.3096, 121.1957



57.6165, 60.3096, 26.6934



48.6329, 60.3096, 119.9352

# Square

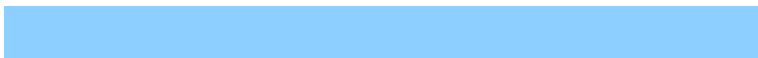
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



57.6165, 60.3096, 26.6934



41.2761, 60.3096, 64.8298



57.0294, 60.3096, 131.1165



77.0667, 60.3096, 66.5112



# Rectangle

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



57.6165, 60.3096, 26.6934



44.8792, 60.3096, 37.5616



57.0294, 60.3096, 131.1165



71.8762, 60.3096, 105.1450

# Sweetspot

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



57.6180, 60.3124, 26.6946



86.7277, 91.7143, 80.3567



45.8208, 33.1129, 33.8765



18.3114, 19.3713, 16.3619



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.



57.6180, 60.3124, 26.6946



68.1871, 70.6814, 24.7012



58.3062, 72.4961, 29.0100



15.2436, 16.1011, 15.2089



26.2803, 25.1348, 3.4664



2.0193, 2.0120, 0.2819



# Inverse Universe

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



33.6784, 32.3464, 80.8119



35.3809, 32.4005, 98.9969



33.0893, 25.5260, 79.5265



13.9088, 14.5390, 18.2176



9.2200, 5.5022, 42.9592



0.7578, 0.5596, 3.2000



# Previews

## White Background



This preview shows how the XYZ color 57.6165, 60.3096, 26.6934 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

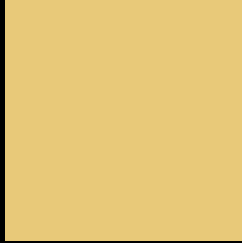
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 57.6165, 60.3096, 26.6934 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 57.6165, 60.3096, 26.6934

## Background



This preview shows how black text looks on a background with the XYZ color 57.6165, 60.3096, 26.6934.



This preview shows how white text looks on a background with the XYZ color 57.6165, 60.3096,



# 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

57.6165, 60.3096, 26.6934

### Protanopia

55.5371, 60.2788, 27.1202

### Deuteranopia

61.7394, 60.3918, 26.8151



## Tritanopia

65.7066, 60.2431, 66.5575

# Trichromacy



## Original Color

57.6165, 60.3096, 26.6934

## Protanomaly

56.2328, 60.2858, 27.0849

## Deuteranomaly

60.0971, 60.2149, 26.8675

## Tritanomaly

62.1780, 60.1299, 48.8865

# Monochromacy



## Original Color

57.6165, 60.3096, 26.6934

## Achromatopsia

55.5167, 58.4078, 63.6061

## Achromatomaly

55.4844, 58.7489, 47.4451

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 57.6165, 60.3096, 26.6934 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(232, 201, 121)` looks like.

```
.text, #text, p{  
    color:rgb(232, 201, 121)  
}
```

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(232, 201, 121) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 201, 121) }
```

## Border

The CSS property to change the border of an element to XYZ 57.6165, 60.3096, 26.6934 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(232, 201, 121) }
```



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

```
.border{ border-color:rgb(232, 201, 121) }
```

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

Here you see how a box with a 4 pixel rgb(232, 201, 121) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 201, 121); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 201, 121);  
box-shadow:4px 4px 4px 4px rgb(232, 201,  
121) }
```

# Background

The CSS property to change the background color of an element to XYZ 57.6165, 60.3096, 26.6934 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 201, 121) }
```

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

```
.background{ background-color: rgb(232,  
201, 121) }
```

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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