

# Converting Colors

XYZ(57.8805, 70.6919, 25.6349)

Have a look what the booklet for  
XYZ(57.8805, 70.6919, 25.6349)  
contains.

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# Color

**XYZ(57.7640, 70.6316,  
25.6277)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D4E46F
RGB	212, 228, 111
RGB Percent	83%, 89%, 44%
CMY	0.1686, 0.1059, 0.5647
CMYK	0.07, 0.00, 0.51, 0.11
HSL	68°, 68%, 66%
HSV	68°, 51%, 89%
XYZ	57.7640, 70.6316, 25.6277
YIQ	209.8780, 28.0210, -39.7790

# Conversions

## Conversions Part 2

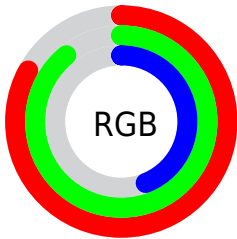
Format	Color
<a href="#">RYB</a>	<a href="#">111, 228, 127</a>
Decimal	<a href="#">13952111</a>
CIELab	<a href="#">87.31, -21.76, 54.63</a>
CIELCh	<a href="#">87, 58.803, 111.720</a>
Yxy	<a href="#">70.6316, 0.3750, 0.4586</a>
Android (android.graphics.Color)	<a href="#">4292142191</a> ( <a href="#">0xFFD4E46F</a> )
YUV	<a href="#">209.8780, -48.7469, 1.8610</a>
Hunter-Lab	<a href="#">84.0426, -24.3883, 40.7501</a>

# Details

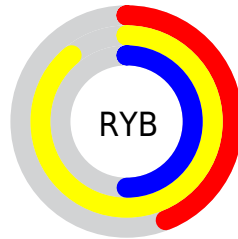
The XYZ color **57.7640, 70.6316, 25.6277** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **28.4430, 21.4841, 76.0508**, and the grayscale version is **61.4770, 64.6786, 70.4350**.

A 20% lighter version of the original color is **83.7915, 95.4966, 49.6137**, and **29.2249, 37.1612, 9.6355** is the 20% darker color. If you saturate the color by 10%, you get **55.7755, 69.7359, 19.7973**, and if you desaturate by 10%, it is **60.0936, 71.6709, 33.1492**.

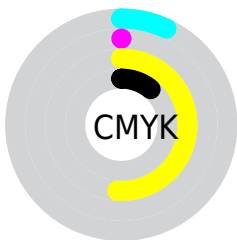
# Distribution



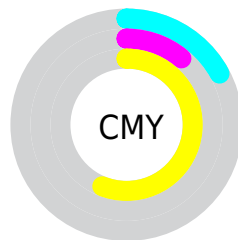
- Red (83%)
- Green (89%)
- Blue (44%)



- Red (44%)
- Yellow (89%)
- Blue (50%)



- Cyan (7%)
- Magenta (0%)
- Yellow (51%)
- Black (11%)




- Cyan (17%)
- Magenta (11%)
- Yellow (56%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 57.7640, 70.6316, 25.6277 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 57.7640, 70.6316, 25.6277 by changing the saturation by 10% instead.





 57.7640, 70.6316,  
25.6277


 57.7640, 70.6316,  
25.6277


406.2740,  
462.7646, 294.4968

 41.8615, 52.0416,  
16.3221


 100.7041,  
120.1090, 53.6504

 29.1835, 37.0382,  
9.5955


 128.4723,  
151.7652, 73.2046

 19.3646, 25.2371,  
5.0295


 160.9265,  
188.5457, 97.0120

 12.0396, 16.2538,  
2.2056

198.4320,  
230.8347, 125.4912

 6.8431, 9.7039,  
0.6776

241.3541,  
279.0167, 159.0607

 3.4096, 5.2031,  
0.0000

290.0582,

 1.3739, 2.3669,

333.4761, 198.1391

0.0000

344.9098,  
394.5972, 243.1450

■ 0.2375, 0.8088,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 57.7640, 70.6316,  
25.6277

■ 57.7640, 70.6316,  
25.6277

■ 55.7755, 69.7359,  
19.7973

■ 60.0936, 71.6709,  
33.1492

■ 54.0982, 68.9640,  
15.5224


■ 62.7818, 72.8530,  
42.4746


■ 52.7050, 68.3079,  
12.6542

■ 65.8504, 74.1894,  
53.7122


■ 51.5617, 67.7536,  
11.0127


■ 69.3184, 75.6876,  
66.9606

 50.7223, 67.3353,  
10.3237

 73.2032, 77.3545,  
82.3113

 77.5213, 79.1969,  
99.8506

 79.6722, 80.1744,  
105.8838

 80.7044, 80.7065,  
105.9321

 81.7548, 81.2480,  
105.9812

# Harmonies

## Analogous

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



71.0369, 70.6316, 23.4735



57.7640, 70.6316, 25.6277



48.3448, 70.6316, 38.7109

# Triad

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



57.7640, 70.6316, 25.6277



51.9676, 70.6316, 153.5330



97.0416, 70.6316, 88.4056

# Complementary

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



57.7640, 70.6316, 25.6277



28.4430, 21.4841, 76.0508

# 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.



90.2502, 70.6316, 134.4035



57.7640, 70.6316, 25.6277



63.3752, 70.6316, 179.5894

# Square

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



57.7640, 70.6316, 25.6277



45.3323, 70.6316, 108.6777



77.4644, 70.6316, 171.5907



94.9967, 70.6316, 52.0216



# Rectangle

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



57.7640, 70.6316, 25.6277



44.9134, 70.6316, 55.4024



77.4644, 70.6316, 171.5907



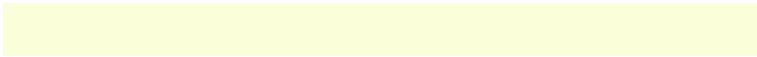
95.6865, 70.6316, 103.3576

# Sweetspot

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



57.7657, 70.6348, 25.6292



87.5929, 96.7978, 79.5425



42.4045, 32.7193, 19.1204



18.5452, 20.6309, 16.2484



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.



57.7657, 70.6348, 25.6292



71.6386, 89.7674, 24.8359



43.9227, 63.4985, 24.9813



15.3975, 16.7120, 15.3187



29.3618, 38.9181, 5.9644



2.2235, 2.9036, 0.4433



# Inverse Universe

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



28.4430, 21.4841, 76.0508



29.8587, 19.6396, 96.8248



39.7221, 27.2987, 76.5787



13.7653, 13.9812, 18.1175



8.4729, 3.4338, 42.5994



0.6849, 0.2840, 3.1507



# Previews

## White Background



This preview shows how the XYZ color 57.7640, 70.6316, 25.6277 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 57.7640, 70.6316, 25.6277 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 57.7640, 70.6316, 25.6277**

## **Background**



This preview shows how black text looks on a background with the XYZ color 57.7640, 70.6316, 25.6277.



This preview shows how white text looks on a background with the XYZ color 57.7640, 70.6316,

25.6277.

# 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

57.7640, 70.6316, 25.6277

### Protanopia

64.6562, 70.6230, 24.4112

### Deuteranopia

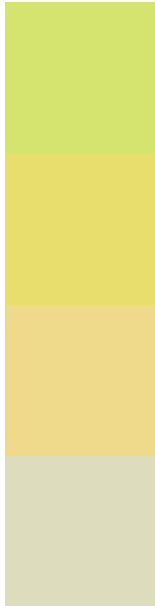
70.2840, 70.1484, 39.9726



## Tritanopia

70.2300, 70.5958, 86.2688

# Trichromacy



## Original Color

57.7640, 70.6316, 25.6277

## Protanomaly

61.8366, 70.3356, 24.7850

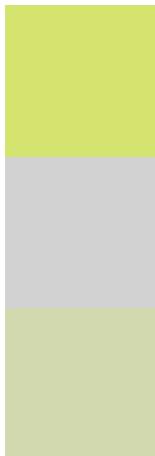
## Deuteranomaly

64.9969, 69.8114, 34.0940

## Tritanomaly

64.4891, 70.1894, 57.7259

# Monochromacy



## Original Color

57.7640, 70.6316, 25.6277

## Achromatopsia

61.2578, 64.4480, 70.1838

## Achromatomaly

59.3168, 66.5306, 49.7598

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 57.7640, 70.6316, 25.6277 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(212, 228, 111)` looks like.

```
.text, #text, p{  
    color:rgb(212, 228, 111)  
}
```

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(212, 228, 111) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 228, 111) }
```

## Border

The CSS property to change the border of an element to XYZ 57.7640, 70.6316, 25.6277 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(212, 228, 111) }
```



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

```
.border{ border-color:rgb(212, 228, 111) }
```

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

Here you see how a box with a 4 pixel `rgb(212, 228, 111)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 228, 111); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 228, 111);  
box-shadow:4px 4px 4px 4px rgb(212, 228,  
111) }
```

# Background

The CSS property to change the background color of an element to XYZ 57.7640, 70.6316, 25.6277 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 228, 111) }
```

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

```
.background{ background-color: rgb(212,  
228, 111) }
```

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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