

Converting Colors

XYZ(57.7708, 70.5067, 13.1389)

Have a look what the booklet for
XYZ(57.7708, 70.5067, 13.1389)
contains.

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Color

**XYZ(57.7810, 70.5076,
13.1487)**

Conversions

Conversions Part 1

Format	Color
Hex	DDE32E
RGB	221, 227, 46
RGB Percent	87%, 89%, 18%
CMY	0.1333, 0.1098, 0.8196
CMYK	0.03, 0.00, 0.80, 0.11
HSL	62°, 76%, 54%
HSV	62°, 80%, 89%
XYZ	57.7810, 70.5076, 13.1487
YIQ	204.5720, 54.5250, -57.5630

Conversions

Conversions Part 2

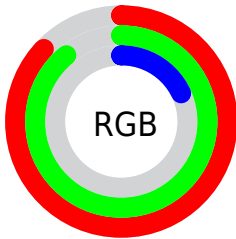
Format	Color
RYB	46, 227, 52
Decimal	14541614
CIELab	87.25, -21.46, 79.15
CIELCh	87, 82.010, 105.169
Yxy	70.5076, 0.4085, 0.4985
Android (android.graphics.Color)	4292731694 (0xFFDDE32E)
YUV	204.5720, -78.1760, 14.4074
Hunter-Lab	83.9688, -24.1152, 49.4939

Details

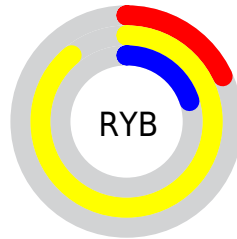
The XYZ color **57.7810, 70.5076, 13.1487** is a light color, and the websafe version is hex **CCCC00**. The color can be described as light washed yellow. A complement of this color would be **16.2603, 8.2315, 73.4093**, and the grayscale version is **58.2149, 61.2466, 66.6976**.

A 20% lighter version of the original color is **79.7603, 93.8841, 28.3856**, and **29.6528, 37.1864, 5.6148** is the 20% darker color. If you saturate the color by 10%, you get **57.2182, 70.2587, 11.3724**, and if you desaturate by 10%, it is **58.5844, 70.8581, 16.1723**.

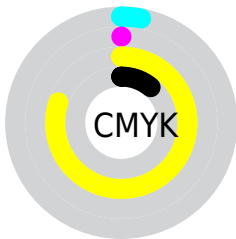
Distribution



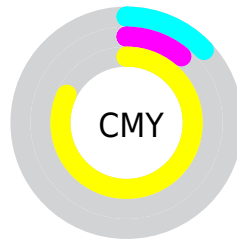
- Red (87%)
- Green (89%)
- Blue (18%)



- Red (18%)
- Yellow (89%)
- Blue (20%)



- Cyan (3%)
- Magenta (0%)
- Yellow (80%)
- Black (11%)



- Cyan (13%)
- Magenta (11%)
- Yellow (82%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 57.7810, 70.5076, 13.1487 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 57.7810, 70.5076, 13.1487 by changing the saturation by 10% instead.

■ 57.7810, 70.5076,
13.1487

■ 57.7810, 70.5076,
13.1487

406.3364,
462.3303, 223.1097

■ 41.8752, 51.9405,
7.3991

■ 100.7287,
119.9323, 32.2658

■ 29.1943, 36.9576,
3.6307

■ 128.5013,
151.5587, 46.4703

■ 19.3728, 25.1747,
1.4250

■ 160.9601,
188.3070, 64.3302

■ 12.0456, 16.2072,
0.1611

■ 198.4707,
230.5615, 86.2641

■ 6.8472, 9.6709,
0.0000

■ 241.3982,
278.7067, 112.6904

■ 3.4122, 5.1813,
0.0000

290.1081,

■ 1.3753, 2.3540,

333.1270, 144.0278

0.0000

344.9657,
394.2067, 180.6947

■ 0.2385, 0.8021,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 57.7810, 70.5076,
13.1487

■ 57.7810, 70.5076,
13.1487

■ 57.2182, 70.2587,
11.3724

■ 58.5844, 70.8581,
16.1723

■ 56.8359, 70.0794,
10.5486

■ 59.6562, 71.3136,
20.6111

■ 56.8265, 70.0749,
10.5307

■ 61.0257, 71.8882,
26.6120

■ 62.7170, 72.5916,
34.3019

■ 64.7517, 73.4325,
43.7953

■ 67.1498, 74.4189,
55.1962

■ 69.9294, 75.5580,
68.6010

■ 73.1076, 76.8567,
84.0994

■ 76.7005, 78.3214,
101.7759

Harmonies

Analogous

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



76.9535, 70.5076, 13.0989



57.7810, 70.5076, 13.1487



44.0249, 70.5076, 23.6307

Triad

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



57.7810, 70.5076, 13.1487



44.1414, 70.5076, 179.2831



109.5893, 70.5076, 107.2605

Complementary

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



57.7810, 70.5076, 13.1487



16.2603, 8.2315, 73.4093

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.



96.8736, 70.5076, 178.5073



57.7810, 70.5076, 13.1487



57.9719, 70.5076, 231.8044

Square

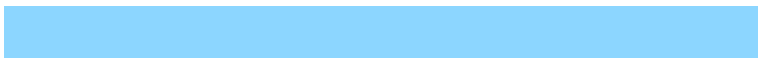
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



57.7810, 70.5076, 13.1487



37.2399, 70.5076, 108.0159



77.1846, 70.5076, 231.4670



109.5110, 70.5076, 52.2194

Rectangle

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



57.7810, 70.5076, 13.1487



38.7013, 70.5076, 40.2765



77.1846, 70.5076, 231.4670



106.5763, 70.5076, 130.5073

Sweetspot

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



57.7826, 70.5109, 13.1501



85.9718, 96.2829, 64.9745



33.2732, 18.7280, 4.4468



18.1665, 20.5118, 12.7921



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.



57.7826, 70.5109, 13.1501



74.1298, 91.2939, 14.0073



37.7146, 60.1654, 12.2110



15.5518, 16.7915, 15.3259



33.1600, 40.8761, 6.1422



2.4653, 3.0283, 0.4546

Inverse Universe

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



16.2603, 8.2315, 73.4093



18.4163, 7.5732, 95.0989



25.5785, 13.0352, 73.8454



13.6268, 13.9099, 18.1110



8.1603, 3.2727, 42.5848



0.6187, 0.2499, 3.1476

Previews

White Background



This preview shows how the XYZ color 57.7810, 70.5076, 13.1487 looks on a white background.

Color Contrast Check

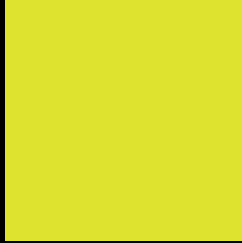
Large Text (above 18pt) WCAG AA × Fail

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 57.7810, 70.5076, 13.1487 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 57.7810, 70.5076, 13.1487

Background



This preview shows how black text looks on a background with the XYZ color 57.7810, 70.5076, 13.1487.



This preview shows how white text looks on a background with the XYZ color 57.7810, 70.5076,

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

57.7810, 70.5076, 13.1487

Protanopia

63.7922, 70.4377, 12.6165

Deuteranopia

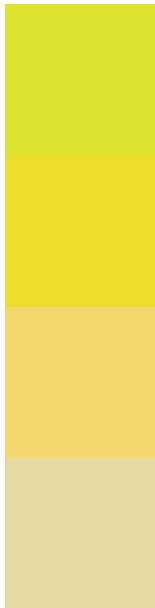
69.6451, 69.8929, 36.6080



Tritanopia

71.8899, 70.0228, 83.1255

Trichromacy



Original Color

57.7810, 70.5076, 13.1487

Protanomaly

61.5200, 70.4365, 12.8358

Deuteranomaly

64.5353, 69.7845, 24.5364

Tritanomaly

64.2894, 69.2233, 44.1554

Monochromacy



Original Color

57.7810, 70.5076, 13.1487

Achromatopsia

58.0276, 61.0496, 66.4830

Achromatomaly

55.9247, 63.5440, 36.9214

CSS Examples

Text

The CSS property to change the color of the text to XYZ 57.7810, 70.5076, 13.1487 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(221, 227, 46)` looks like.

```
.text, #text, p{  
    color:rgb(221, 227, 46)  
}
```

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(221, 227, 46) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 227, 46) }
```

Border

The CSS property to change the border of an element to XYZ 57.7810, 70.5076, 13.1487 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(221, 227, 46) }
```


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

```
.border{ border-color:rgb(221, 227, 46) }
```

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

Here you see how a box with a 4 pixel rgb(221, 227, 46) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 227, 46); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 227, 46);  
box-shadow:4px 4px 4px 4px rgb(221, 227,  
46) }
```

Background

The CSS property to change the background color of an element to XYZ 57.7810, 70.5076, 13.1487 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 227, 46) }
```

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

```
.background{ background-color: rgb(221,  
227, 46) }
```

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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