

Converting Colors

XYZ(57.9999, 74.0710, 17.1230)

Have a look what the booklet for
XYZ(57.9999, 74.0710, 17.1230)
contains.

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Color

**XYZ(57.9970, 73.8686,
17.1625)**

Conversions

Conversions Part 1

Format	Color
Hex	D4EB47
RGB	212, 235, 71
RGB Percent	83%, 92%, 28%
CMY	0.1686, 0.0784, 0.7215
CMYK	0.10, 0.00, 0.70, 0.08
HSL	68°, 80%, 60%
HSV	68°, 70%, 92%
XYZ	57.9970, 73.8686, 17.1625
YIQ	209.4270, 38.9360, -55.8800

Conversions

Conversions Part 2

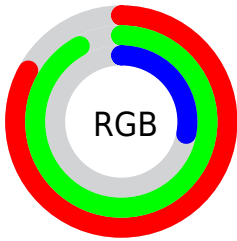
Format	Color
RYB	71, 235, 94
Decimal	13953863
CIELab	88.86, -27.89, 72.76
CIElCh	89, 77.921, 110.976
Yxy	73.8686, 0.3892, 0.4957
Android (android.graphics.Color)	4292143943 (0xFFD4EB47)
YUV	209.4270, -68.2445, 2.2565
Hunter-Lab	85.9468, -29.9550, 48.3233

Details

The XYZ color **57.9970, 73.8686, 17.1625** is a light color, and the websafe version is hex **FFFF66**. The color can be described as light muted yellow. A complement of this color would be **21.8672, 12.8860, 79.9364**, and the grayscale version is **61.2997, 64.4921, 70.2319**.

A 20% lighter version of the original color is **80.9624, 94.3650, 34.7160**, and **29.4465, 39.1102, 5.9970** is the 20% darker color. If you saturate the color by 10%, you get **56.4438, 73.1413, 13.8858**, and if you desaturate by 10%, it is **59.8646, 74.7292, 21.9781**.

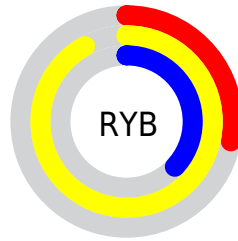
Distribution



Red (83%)

Green (92%)

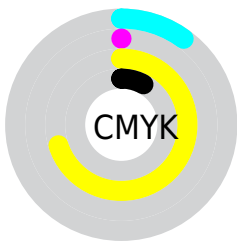
Blue (28%)



Red (28%)

Yellow (92%)

Blue (37%)

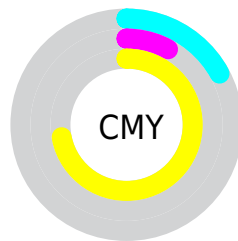


Cyan (10%)

Magenta (0%)

Yellow (70%)

Black (8%)



Cyan (17%)


Magenta (8%)

Yellow (72%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 57.9970, 73.8686, 17.1625 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 57.9970, 73.8686, 17.1625 by changing the saturation by 10% instead.


 57.9970, 73.8686,
17.1625

 57.9970, 73.8686,
17.1625


407.1288,
474.0197, 248.1827

 42.0495, 54.6865,
10.1872


 101.0415,
124.7095, 39.3994

 29.3313, 39.1508,
5.4161


 128.8692,
157.1371, 55.4982


 19.4771, 26.8770,
2.4304


 161.3876,
194.7487, 75.4752

 12.1216, 17.4809,
0.8029

 198.9622,
237.9286, 99.7489

 6.8993, 10.5780,
0.0000

 241.9582,
287.0613, 128.7380

 3.4450, 5.7838,
0.0000

290.7411,

 1.3932, 2.7141,

342.5311, 162.8610

0.0000

345.6762,
404.7225, 202.5364

■ 0.2514, 0.9843,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 57.9970, 73.8686,
17.1625

■ 57.9970, 73.8686,
17.1625

■ 56.4438, 73.1413,
13.8858

■ 59.8646, 74.7292,
21.9781

■ 55.1639, 72.5229,
11.9553


■ 62.0715, 75.7252,
28.4866


■ 54.0994, 71.9929,
11.0591


■ 64.6460, 76.8704,
36.8280


■ 54.0775, 71.9819,
11.0437


■ 67.6117, 78.1744,
47.1268

 70.9904, 79.6459,
59.4965

 74.8021, 81.2929,
74.0420

 79.0654, 83.1229,
90.8610

 83.1454, 84.8818,
106.6093

 84.2648, 85.4589,
106.6617

Harmonies

Analogous

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



76.0611, 73.8686, 15.2381



57.9970, 73.8686, 17.1625



45.6095, 73.8686, 31.1122

Triad

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



57.9970, 73.8686, 17.1625



49.7381, 73.8686, 191.2919



112.5250, 73.8686, 97.8702

Complementary

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



57.9970, 73.8686, 17.1625



21.8672, 12.8860, 79.9364

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.



102.3667, 73.8686, 165.2882



57.9970, 73.8686, 17.1625



64.6668, 73.8686, 233.0591

Square

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



57.9970, 73.8686, 17.1625



41.4692, 73.8686, 123.6961



84.0271, 73.8686, 221.8533



109.8664, 73.8686, 48.6515

Rectangle

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



57.9970, 73.8686, 17.1625



41.1722, 73.8686, 51.0705



84.0271, 73.8686, 221.8533



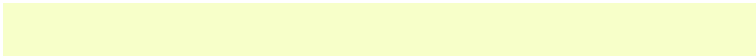
110.4373, 73.8686, 119.3153

Sweetspot

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



57.9987, 73.8720, 17.1640



84.8857, 95.6212, 69.5191



39.3035, 25.9245, 8.8946



17.9207, 20.3589, 13.9612



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.



57.9987, 73.8720, 17.1640



67.1929, 87.6784, 15.4618



40.2291, 64.7114, 16.3324



16.1321, 17.5137, 16.0489



30.1770, 40.1013, 6.1498



2.4267, 3.1784, 0.4856

Inverse Universe

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



21.8672, 12.8860, 79.9364



21.4235, 10.1260, 95.4331



34.9004, 19.6049, 80.5464



14.4277, 14.6503, 18.9896



8.7564, 3.5500, 43.9667



0.7494, 0.3106, 3.4553

Previews

White Background



This preview shows how the XYZ color 57.9970, 73.8686, 17.1625 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 57.9970, 73.8686, 17.1625 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 57.9970, 73.8686, 17.1625

Background



This preview shows how black text looks on a background with the XYZ color 57.9970, 73.8686, 17.1625.



This preview shows how white text looks on a background with the XYZ color 57.9970, 73.8686,

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

57.9970, 73.8686, 17.1625

Protanopia

66.8554, 73.5167, 16.1353

Deuteranopia

72.6637, 73.5301, 45.0133



Tritanopia

72.6125, 73.2714, 90.4365

Trichromacy



Original Color

57.9970, 73.8686, 17.1625

Protanomaly

63.1353, 73.2007, 16.4318

Deuteranomaly

66.2815, 73.2737, 31.7689

Tritanomaly

64.9852, 72.5543, 52.1743

Monochromacy



Original Color

57.9970, 73.8686, 17.1625

Achromatopsia

60.6036, 63.7597, 69.4343

Achromatomaly

57.9078, 66.3476, 42.5552

CSS Examples

Text

The CSS property to change the color of the text to XYZ 57.9970, 73.8686, 17.1625 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, 235, 71)` looks like.

```
.text, #text, p{  
    color:rgb(212, 235, 71)  
}
```

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, 235, 71) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 235, 71) }
```

Border

The CSS property to change the border of an element to XYZ 57.9970, 73.8686, 17.1625 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, 235, 71) }
```


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

```
.border{ border-color:rgb(212, 235, 71) }
```

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

Here you see how a box with a 4 pixel `rgb(212, 235, 71)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 235, 71); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 235, 71);  
box-shadow:4px 4px 4px 4px rgb(212, 235,  
71) }
```

Background

The CSS property to change the background color of an element to XYZ 57.9970, 73.8686, 17.1625 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 235, 71) }
```

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

```
.background{ background-color: rgb(212,  
235, 71) }
```

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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