

Converting Colors

XYZ(57.6076, 71.8007, 13.0072)

Have a look what the booklet for
XYZ(57.6076, 71.8007, 13.0072)
contains.

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Color

**XYZ(57.6282, 71.6662,
12.9861)**

Conversions

Conversions Part 1

Format	Color
Hex	DAE62A
RGB	218, 230, 42
RGB Percent	85%, 90%, 16%
CMY	0.1451, 0.0980, 0.8353
CMYK	0.05, 0.00, 0.82, 0.10
HSL	64°, 79%, 53%
HSV	64°, 82%, 90%
XYZ	57.6282, 71.6662, 12.9861
YIQ	204.9800, 53.1960, -61.0120

Conversions

Conversions Part 2

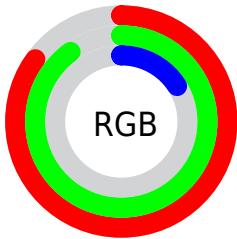
Format	Color
R _Y B	42, 230, 54
Decimal	14345770
CIE Lab	87.81, -24.26, 80.53
CIE LCh	88, 84.105, 106.763
Yxy	71.6662, 0.4050, 0.5037
Android (android.graphics.Color)	4292535850 (0xFFDAE62A)
YUV	204.9800, -80.3491, 11.4185
Hunter-Lab	84.6559, -26.6367, 50.1641

Details

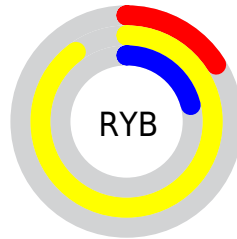
The XYZ color **57.6282, 71.6662, 12.9861** is a light color, and the websafe version is hex **CCCC00**. The color can be described as light washed yellow. A complement of this color would be **16.6343, 8.1548, 75.5646**, and the grayscale version is **58.4893, 61.5353, 67.0119**.

A 20% lighter version of the original color is **79.6538, 93.8415, 27.8249**, and **29.6280, 38.0309, 5.7791** is the 20% darker color. If you saturate the color by 10%, you get **56.8920, 71.3239, 11.3849**, and if you desaturate by 10%, it is **58.6074, 72.1115, 15.8326**.

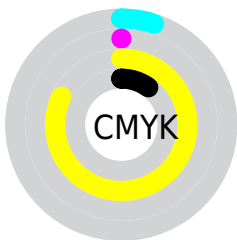
Distribution



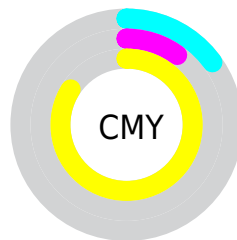
- Red (85%)
- Green (90%)
- Blue (16%)



- Red (16%)
- Yellow (90%)
- Blue (21%)



- Cyan (5%)
- Magenta (0%)
- Yellow (82%)
- Black (10%)



- Cyan (15%)
- Magenta (10%)
- Yellow (84%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 57.6282, 71.6662, 12.9861 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 57.6282, 71.6662, 12.9861 by changing the saturation by 10% instead.

■ 57.6282, 71.6662,
12.9861

■ 57.6282, 71.6662,
12.9861

405.7753,
466.3789, 222.0333

■ 41.7519, 52.8860,
7.2884

■ 100.5073,
121.5818, 31.9696

■ 29.0973, 37.7118,
3.5619

■ 128.2409,
153.4861, 46.0925

■ 19.2991, 25.7591,
1.3882

■ 160.6575,
190.5339, 63.8608

■ 11.9919, 16.6435,
0.1325

■ 198.1227,
233.1095, 85.6932

■ 6.8103, 9.9806,
0.0000

■ 241.0017,
281.5975, 112.0080

■ 3.3890, 5.3861,
0.0000

289.6599,

■ 1.3627, 2.4756,

336.3821, 143.2240

0.0000

344.4627,
397.8478, 179.7595

■ 0.2294, 0.8644,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 57.6282, 71.6662,
12.9861

■ 57.6282, 71.6662,
12.9861

■ 56.8920, 71.3239,
11.3849

■ 58.6074, 72.1115,
15.8326

■ 56.4158, 71.0920,
10.7487

■ 59.8601, 72.6640,
20.1055

■ 61.4171, 73.3387,
25.9610

■ 63.3042, 74.1459,
33.5338

■ 65.5441, 75.0946,
42.9441

■ 68.1577, 76.1933,
54.3016

■ 71.1641, 77.4495,
67.7070

■ 74.5812, 78.8705,
83.2546

■ 78.4257, 80.4630,
101.0322

Harmonies

Analogous

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



77.2962, 71.6662, 12.4633



57.6282, 71.6662, 12.9861



43.7903, 71.6662, 24.3303

Triad

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



57.6282, 71.6662, 12.9861



45.0467, 71.6662, 188.7419



112.7658, 71.6662, 106.0299

Complementary

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



57.6282, 71.6662, 12.9861



16.6343, 8.1548, 75.5646

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.



100.1069, 71.6662, 180.2499



57.6282, 71.6662, 12.9861



59.6941, 71.6662, 241.5685

Square

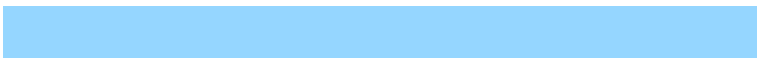
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



57.6282, 71.6662, 12.9861



37.5600, 71.6662, 114.2532



79.8061, 71.6662, 237.8671



111.9121, 71.6662, 50.4111

Rectangle

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



57.6282, 71.6662, 12.9861



38.5666, 71.6662, 42.1798



79.8061, 71.6662, 237.8671



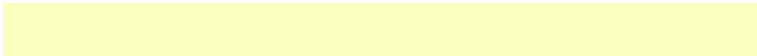
109.8589, 71.6662, 129.9785

Sweetspot

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



57.6298, 71.6695, 12.9876



84.9494, 95.7886, 63.4463



34.2549, 19.3948, 4.1295



17.9336, 20.3980, 12.4983



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.



57.6298, 71.6695, 12.9876



71.3981, 89.8889, 13.7337



37.4107, 61.2462, 12.0413



15.5059, 16.7679, 15.3237



31.9776, 40.2665, 6.0868



2.3907, 2.9898, 0.4511

Inverse Universe

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



16.6343, 8.1548, 75.5646



18.4159, 7.4908, 95.0830



26.8611, 13.4270, 76.0432



13.6676, 13.9309, 18.1129



8.2296, 3.3084, 42.5880



0.6383, 0.2600, 3.1485

Previews

White Background



This preview shows how the XYZ color 57.6282, 71.6662, 12.9861 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 57.6282, 71.6662, 12.9861 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 57.6282, 71.6662, 12.9861

Background



This preview shows how black text looks on a background with the XYZ color 57.6282, 71.6662, 12.9861.

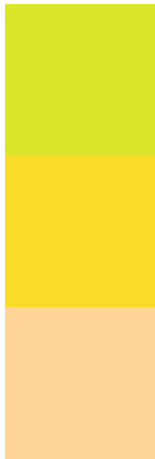


This preview shows how white text looks on a background with the XYZ color 57.6282, 71.6662,

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

57.6282, 71.6662, 12.9861

Protanopia

64.6708, 71.2893, 12.2712

Deuteranopia

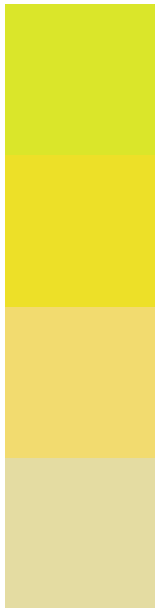
70.6202, 71.0829, 39.2764



Tritanopia

72.4021, 71.3551, 85.5582

Trichromacy



Original Color

57.6282, 71.6662, 12.9861

Protanomaly

61.9637, 71.4690, 12.5366

Deuteranomaly

64.8187, 70.6880, 25.2668

Tritanomaly

64.1097, 70.2890, 44.3706

Monochromacy



Original Color

57.6282, 71.6662, 12.9861

Achromatopsia

58.0276, 61.0496, 66.4830

Achromatomaly

55.8132, 63.8701, 36.5806

CSS Examples

Text

The CSS property to change the color of the text to XYZ 57.6282, 71.6662, 12.9861 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(218, 230, 42)` looks like.

```
.text, #text, p{  
    color:rgb(218, 230, 42)  
}
```

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(218, 230, 42) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 230, 42) }
```

Border

The CSS property to change the border of an element to XYZ 57.6282, 71.6662, 12.9861 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(218, 230, 42) }
```


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

```
.border{ border-color:rgb(218, 230, 42) }
```

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

Here you see how a box with a 4 pixel `rgb(218, 230, 42)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(218, 230, 42); -webkit-box-  
shadow:4px 4px 4px 4px rgb(218, 230, 42);  
box-shadow:4px 4px 4px 4px rgb(218, 230,  
42) }
```

Background

The CSS property to change the background color of an element to XYZ 57.6282, 71.6662, 12.9861 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 230, 42) }
```

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

```
.background{ background-color: rgb(218,  
230, 42) }
```

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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