

Converting Colors

XYZ(59.8236, 71.2151, 28.1912)

Have a look what the booklet for
XYZ(59.8236, 71.2151, 28.1912)
contains.

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Color

**XYZ(59.7123, 71.1755,
28.0438)**

Conversions

Conversions Part 1

Format	Color
Hex	DAE377
RGB	218, 227, 119
RGB Percent	85%, 89%, 47%
CMY	0.1451, 0.1098, 0.5333
CMYK	0.04, 0.00, 0.48, 0.11
HSL	65°, 66%, 68%
HSV	65°, 48%, 89%
XYZ	59.7123, 71.1755, 28.0438
YIQ	211.9970, 29.3040, -35.4960

Conversions

Conversions Part 2

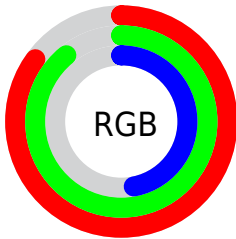
Format	Color
RYB	119, 227, 128
Decimal	14345079
CIELab	87.57, -18.19, 51.32
CIELCh	88, 54.449, 109.518
Yxy	71.1755, 0.3757, 0.4478
Android (android.graphics.Color)	4292535159 (0xFFDAE377)
YUV	211.9970, -45.8475, 5.2646
Hunter-Lab	84.3656, -21.3010, 39.3474

Details

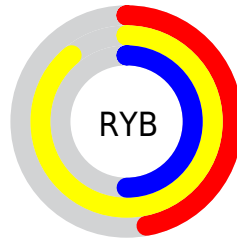
The XYZ color **59.7123, 71.1755, 28.0438** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **29.3665, 23.3306, 75.6327**, and the grayscale version is **62.8604, 66.1341, 72.0200**.

A 20% lighter version of the original color is **84.5428, 95.7971, 53.5700**, and **30.4636, 37.4874, 10.9404** is the 20% darker color. If you saturate the color by 10%, you get **57.9464, 70.4067, 21.6752**, and if you desaturate by 10%, it is **61.8137, 72.0844, 36.1304**.

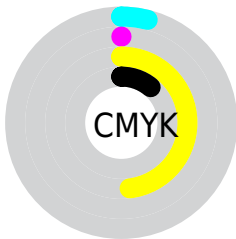
Distribution



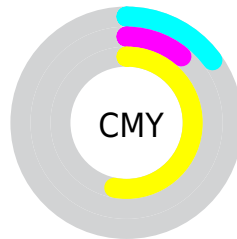
- Red (85%)
- Green (89%)
- Blue (47%)



- Red (47%)
- Yellow (89%)
- Blue (50%)



- Cyan (4%)
- Magenta (0%)
- Yellow (48%)
- Black (11%)



- Cyan (15%)
- Magenta (11%)
- Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 59.7123, 71.1755, 28.0438 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 59.7123, 71.1755, 28.0438 by changing the saturation by 10% instead.

■ 59.7123, 71.1755,
28.0438

■ 59.7123, 71.1755,
28.0438

413.3883,
464.6667, 306.5947

■ 43.4354, 52.4854,
18.1193

■ 103.5209,
120.8836, 57.5783

■ 30.4229, 37.3921,
10.8654

■ 131.7833,
152.6704, 78.0254

■ 20.3094, 25.5113,
5.8634

■ 164.7716,
189.5916, 102.8172

■ 12.7297, 16.4584,
2.6947

202.8511,
232.0315, 132.3722

■ 7.3184, 9.8491,
0.9408

246.3871,
280.3746, 167.1089

■ 3.7101, 5.2990,
0.0000

295.7451,

■ 1.5395, 2.4238,

335.0052, 207.4458

0.0000

351.2904,
396.3078, 253.8016

■ 0.3525, 0.8381,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 59.7123, 71.1755,
28.0438

■ 59.7123, 71.1755,
28.0438

■ 57.9464, 70.4067,
21.6752

■ 61.8137, 72.0844,
36.1304

■ 56.4874, 69.7588,
16.8960


■ 64.2667, 73.1321,
46.0423


■ 55.3101, 69.2243,
13.5670


■ 67.0925, 74.3297,
57.8834


■ 54.3831, 68.7907,
11.5229


■ 70.3091, 75.6844,
71.7485


 53.6640, 68.4410,
10.5400


 73.9334, 77.2029,
87.7261

 53.5046, 68.3624,
10.3753

 77.9479, 78.8782,
105.7245

 78.5565, 79.1920,
105.7529

 79.1717, 79.5091,
105.7817

 79.7936, 79.8297,
105.8108

Harmonies

Analogous

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



72.2539, 71.1755, 26.6012



59.7123, 71.1755, 28.0438



50.5151, 71.1755, 39.9843

Triad

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



59.7123, 71.1755, 28.0438



52.8191, 71.1755, 144.8916



95.0263, 71.1755, 91.1232

Complementary

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



59.7123, 71.1755, 28.0438



29.3665, 23.3306, 75.6327

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.



88.2785, 71.1755, 133.2326



59.7123, 71.1755, 28.0438



63.2463, 71.1755, 170.1962

Square

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



59.7123, 71.1755, 28.0438



46.8987, 71.1755, 103.6785



76.2621, 71.1755, 165.3584



93.7658, 71.1755, 56.1435

Rectangle

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



59.7123, 71.1755, 28.0438



47.0102, 71.1755, 55.2451



76.2621, 71.1755, 165.3584



93.5890, 71.1755, 105.0441

Sweetspot

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



59.7140, 71.1787, 28.0453



88.7390, 97.3500, 81.3385



42.7299, 33.1030, 21.5911



18.8055, 20.7575, 16.6034



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.



59.7140, 71.1787, 28.0453



75.4761, 91.6715, 28.3685



46.1113, 64.1663, 27.4087



15.4768, 16.7529, 15.3224



31.2507, 39.8918, 6.0528



2.3445, 2.9660, 0.4489

Inverse Universe

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



29.3665, 23.3306, 75.6327



31.5818, 22.4173, 97.2702



39.7556, 28.6864, 76.1189



13.6937, 13.9443, 18.1141



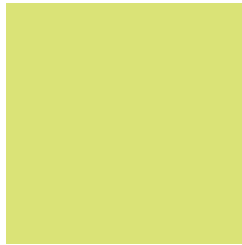
8.2813, 3.3351, 42.5904



0.6508, 0.2665, 3.1491

Previews

White Background



This preview shows how the XYZ color 59.7123, 71.1755, 28.0438 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 59.7123, 71.1755, 28.0438 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

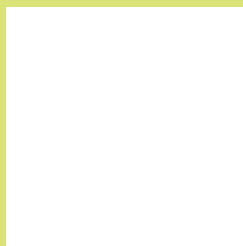
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 59.7123, 71.1755, 28.0438

Background



This preview shows how black text looks on a background with the XYZ color 59.7123, 71.1755, 28.0438.



This preview shows how white text looks on a background with the XYZ color 59.7123, 71.1755,

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

59.7123, 71.1755, 28.0438

Protanopia

65.1019, 70.8012, 26.7578

Deuteranopia

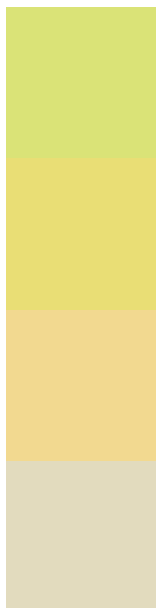
70.9550, 70.8156, 42.2768



Tritanopia

71.4254, 70.8516, 85.5125

Trichromacy



Original Color

59.7123, 71.1755, 28.0438

Protanomaly

62.9364, 70.8505, 27.1880

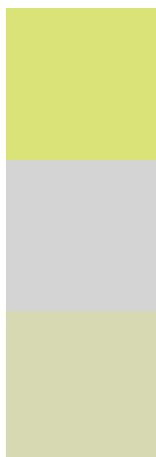
Deuteranomaly

66.4648, 70.5166, 36.4935

Tritanomaly

65.9898, 70.5495, 58.8546

Monochromacy



Original Color

59.7123, 71.1755, 28.0438

Achromatopsia

62.5785, 65.8375, 71.6970

Achromatomaly

60.5803, 67.1362, 51.8851

CSS Examples

Text

The CSS property to change the color of the text to XYZ 59.7123, 71.1755, 28.0438 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, 227, 119)` looks like.

```
.text, #text, p{  
    color:rgb(218, 227, 119)  
}
```

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, 227, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 227, 119) }
```

Border

The CSS property to change the border of an element to XYZ 59.7123, 71.1755, 28.0438 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, 227, 119) }
```


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

```
.border{ border-color:rgb(218, 227, 119) }
```

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

Here you see how a box with a 4 pixel `rgb(218, 227, 119)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(218, 227, 119); -webkit-box-shadow:4px 4px 4px 4px rgb(218, 227, 119); box-shadow:4px 4px 4px 4px rgb(218, 227, 119) }
```

Background

The CSS property to change the background color of an element to XYZ 59.7123, 71.1755, 28.0438 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 227, 119) }
```

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

```
.background{ background-color: rgb(218,  
227, 119) }
```

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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