

Converting Colors

XYZ(58.7663, 68.6220, 27.8697)

Have a look what the booklet for
XYZ(58.7663, 68.6220, 27.8697)
contains.

XYZ(58.7249, 68.6587, 27.9266)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(58.7249, 68.6587,
27.9266)**

Conversions

Conversions Part 1

Format	Color
Hex	DBDE78
RGB	219, 222, 120
RGB Percent	86%, 87%, 47%
CMY	0.1412, 0.1294, 0.5294
CMYK	0.01, 0.00, 0.46, 0.13
HSL	62°, 61%, 67%
HSV	62°, 46%, 87%
XYZ	58.7249, 68.6587, 27.9266
YIQ	209.4750, 30.9540, -32.3580

Conversions

Conversions Part 2

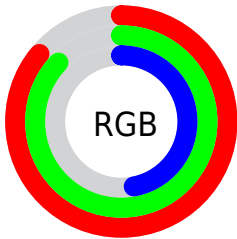
Format	Color
RYB	120, 222, 123
Decimal	14409336
CIELab	86.33, -15.24, 49.37
CIELCh	86, 51.666, 107.156
Yxy	68.6587, 0.3781, 0.4421
Android (android.graphics.Color)	4292599416 (0xFFDBDE78)
YUV	209.4750, -44.1112, 8.3534
Hunter-Lab	82.8605, -18.4995, 38.0198

Details

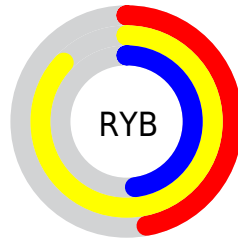
The XYZ color **58.7249, 68.6587, 27.9266** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **28.0720, 22.9194, 72.0557**, and the grayscale version is **61.1815, 64.3677, 70.0964**.

A 20% lighter version of the original color is **84.6400, 95.8360, 54.0816**, and **29.7624, 35.7362, 10.7980** is the 20% darker color. If you saturate the color by 10%, you get **57.3351, 68.0825, 21.6257**, and if you desaturate by 10%, it is **60.4312, 69.3665, 35.8753**.

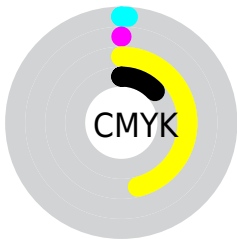
Distribution



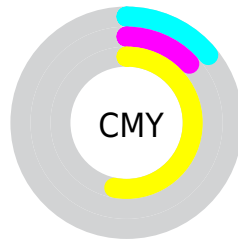
- Red (86%)
- Green (87%)
- Blue (47%)



- Red (47%)
- Yellow (87%)
- Blue (48%)



- Cyan (1%)
- Magenta (0%)
- Yellow (46%)
- Black (13%)



- Cyan (14%)
- Magenta (13%)
- Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 58.7249, 68.6587, 27.9266 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 58.7249, 68.6587, 27.9266 by changing the saturation by 10% instead.

■ 58.7249, 68.6587,
27.9266

■ 58.7249, 68.6587,
27.9266

409.7921,
455.8263, 306.0169

■ 42.6372, 50.4338,
18.0318

■ 102.0946,
117.2940, 57.3889

■ 29.7939, 35.7582,
10.8031

■ 130.1074,
148.4731, 77.7935

■ 19.8295, 24.2475,
5.8221

■ 162.8259,
184.7392, 102.5384

■ 12.3787, 15.5173,
2.6702

200.6156,
226.4765, 132.0422

■ 7.0762, 9.1833,
0.9284

243.8416,
274.0694, 166.7234

■ 3.5565, 4.8609,
0.0000

292.8695,

■ 1.4544, 2.1659,

327.9025, 207.0006

0.0000

348.0646,
388.3600, 253.2922

■ 0.2945, 0.7013,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 58.7249, 68.6587,
27.9266

■ 58.7249, 68.6587,
27.9266

■ 57.3351, 68.0825,
21.6257

■ 60.4312, 69.3665,
35.8753

■ 56.2348, 67.6198,
16.8531


■ 62.4688, 70.2044,
45.5719


■ 55.4011, 67.2638,
13.4800


■ 64.8576, 71.1829,
57.1134

■ 54.8050, 67.0030,
11.3546


■ 67.6143, 72.3086,
70.5885


 54.4110, 66.8230,
10.2888


 70.7547, 73.5879,
86.0802

 54.2835, 66.7630,
10.0255

 74.2937, 75.0267,
103.6668

 74.7831, 75.2458,
105.1901

 74.9858, 75.3503,
105.1996

 75.1892, 75.4552,
105.2091

Harmonies

Analogous

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



70.4894, 68.6587, 27.2685



58.7249, 68.6587, 27.9266



49.8473, 68.6587, 38.4018

Triad

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



58.7249, 68.6587, 27.9266



50.8737, 68.6587, 133.9883



90.2659, 68.6587, 90.3275

Complementary

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



58.7249, 68.6587, 27.9266



28.0720, 22.9194, 72.0557

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.



83.5567, 68.6587, 128.8985



58.7249, 68.6587, 27.9266



60.2921, 68.6587, 158.8082

Square

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



58.7249, 68.6587, 27.9266



45.7079, 68.6587, 95.8511



72.2586, 68.6587, 156.7041



89.7127, 68.6587, 57.0108

Rectangle

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



58.7249, 68.6587, 27.9266



46.3245, 68.6587, 52.0504



72.2586, 68.6587, 156.7041



88.7539, 68.6587, 103.2618

Sweetspot

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



58.7266, 68.6618, 27.9280



89.4397, 97.7113, 81.3713



40.4394, 30.7328, 21.5708



18.9783, 20.8466, 16.6115



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.



58.7266, 68.6618, 27.9280



78.5759, 93.2366, 29.9994



45.9407, 62.0705, 27.3297



14.8297, 16.0079, 14.6150



32.2590, 39.6626, 5.9554



2.2488, 2.7558, 0.4134

Inverse Universe

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



28.0720, 22.9194, 72.0557



31.7439, 23.3382, 97.4394



37.0707, 27.5584, 72.4768



12.9892, 13.2625, 17.2630



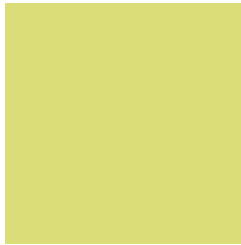
7.8964, 3.1661, 41.2433



0.5607, 0.2263, 2.8594

Previews

White Background



This preview shows how the XYZ color 58.7249, 68.6587, 27.9266 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 58.7249, 68.6587, 27.9266 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 58.7249, 68.6587, 27.9266

Background



This preview shows how black text looks on a background with the XYZ color 58.7249, 68.6587, 27.9266.



This preview shows how white text looks on a background with the XYZ color 58.7249, 68.6587,

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

58.7249, 68.6587, 27.9266

Protanopia

63.0858, 68.5969, 27.0551

Deuteranopia

68.9842, 68.4471, 36.7699



Tritanopia

69.7291, 68.5731, 81.5123

Trichromacy



Original Color

58.7249, 68.6587, 27.9266

Protanomaly

61.3562, 68.4636, 27.4338

Deuteranomaly

64.9276, 68.2719, 33.4227

Tritanomaly

64.6948, 68.0119, 56.7315

Monochromacy



Original Color

58.7249, 68.6587, 27.9266

Achromatopsia

60.6036, 63.7597, 69.4343

Achromatomaly

59.4230, 65.4136, 51.0891

CSS Examples

Text

The CSS property to change the color of the text to XYZ 58.7249, 68.6587, 27.9266 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(219, 222, 120)` looks like.

```
.text, #text, p{  
    color:rgb(219, 222, 120)  
}
```

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(219, 222, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 222, 120) }
```

Border

The CSS property to change the border of an element to XYZ 58.7249, 68.6587, 27.9266 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(219, 222, 120) }
```


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

```
.border{ border-color:rgb(219, 222, 120) }
```

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

Here you see how a box with a 4 pixel `rgb(219, 222, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 222, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 222, 120);  
box-shadow:4px 4px 4px 4px rgb(219, 222,  
120) }
```

Background

The CSS property to change the background color of an element to XYZ 58.7249, 68.6587, 27.9266 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 222, 120) }
```

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

```
.background{ background-color: rgb(219,  
222, 120) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor