

Converting Colors

XYZ(65.9174, 78.6208, 29.0203)

Have a look what the booklet for
XYZ(65.9174, 78.6208, 29.0203)
contains.

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Color

**XYZ(65.9271, 78.5583,
29.1413)**

Conversions

Conversions Part 1

Format	Color
Hex	E5ED77
RGB	229, 237, 119
RGB Percent	90%, 93%, 47%
CMY	0.1020, 0.0706, 0.5333
CMYK	0.03, 0.00, 0.50, 0.07
HSL	64°, 77%, 70%
HSV	64°, 50%, 93%
XYZ	65.9271, 78.5583, 29.1413
YIQ	221.1560, 33.1100, -38.3940

Conversions

Conversions Part 2

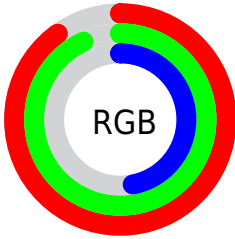
Format	Color
RYB	119, 237, 127
Decimal	15068535
CIELab	91.03, -18.75, 55.65
CIElCh	91, 58.728, 108.622
Yxy	78.5583, 0.3797, 0.4525
Android (android.graphics.Color)	4293258615 (0xFFE5ED77)
YUV	221.1560, -50.3629, 6.8792
Hunter-Lab	88.6331, -22.3361, 42.5495

Details

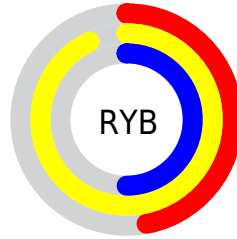
The XYZ color **65.9271, 78.5583, 29.1413** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **30.6380, 23.8220, 83.1087**, and the grayscale version is **69.1651, 72.7670, 79.2433**.

A 20% lighter version of the original color is **84.6400, 95.8360, 54.0816**, and **34.3018, 42.0990, 11.4723** is the 20% darker color. If you saturate the color by 10%, you get **64.1676, 77.7983, 22.5333**, and if you desaturate by 10%, it is **68.0500, 79.4699, 37.6218**.

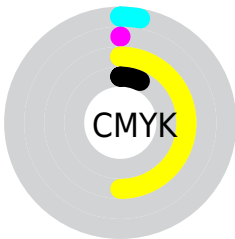
Distribution



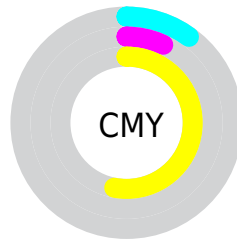
- Red (90%)
- Green (93%)
- Blue (47%)



- Red (47%)
- Yellow (93%)
- Blue (50%)



- Cyan (3%)
- Magenta (0%)
- Yellow (50%)
- Black (7%)



- Cyan (10%)
- Magenta (7%)
- Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 65.9271, 78.5583, 29.1413 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 65.9271, 78.5583, 29.1413 by changing the saturation by 10% instead.

65.9271, 78.5583,
29.1413

65.9271, 78.5583,
29.1413

435.6089,
490.0608, 311.9628

48.4807, 58.5327,
18.9412

112.4400,
131.3369, 59.3464

34.4206, 42.2371,
11.4514

142.2372,
164.8586, 80.1885

23.3813, 29.2870,
6.2534

176.8821,
203.6479, 105.4150

14.9975, 19.2980,
2.9285

216.7400,
248.0891, 135.4445

8.9040, 11.8858,
1.0582

262.1763,
298.5666, 170.6954

4.7352, 6.6660,
0.0000

313.5563,

2.1259, 3.2541,

355.4648, 211.5865

0.0000

371.2454,
419.1680, 258.5361

0.7032, 1.2658,
0.0000

0.0000, 0.1145,
0.0000

65.9271, 78.5583,
29.1413

65.9271, 78.5583,
29.1413

64.1676, 77.7983,
22.5333

68.0500, 79.4699,
37.6218

62.7390, 77.1684,
17.6514


70.5549, 80.5319,
48.0968


61.6124, 76.6599,
14.3352


73.4656, 81.7569,
60.6841


60.7513, 76.2581,
12.3925


76.8025, 83.1528,
75.4905

 60.0952, 75.9388,
11.5047

 80.5845, 84.7274,
92.6159

 60.0822, 75.9324,
11.4898

 83.8138, 86.0814,
106.8057

 84.3581, 86.3620,
106.8311

 84.9073, 86.6451,
106.8568

 85.4613, 86.9307,
106.8828

Harmonies

Analogous

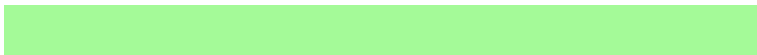
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



80.4351, 78.5583, 27.8580



65.9271, 78.5583, 29.1413



55.2498, 78.5583, 42.1149

Triad

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



65.9271, 78.5583, 29.1413



57.3602, 78.5583, 162.6110



106.2548, 78.5583, 102.6797

Complementary

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



65.9271, 78.5583, 29.1413



30.6380, 23.8220, 83.1087

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.



98.1723, 78.5583, 151.6695



65.9271, 78.5583, 29.1413



69.1821, 78.5583, 193.1688

Square

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



65.9271, 78.5583, 29.1413



50.7744, 78.5583, 114.3533



84.1477, 78.5583, 188.6084



105.0795, 78.5583, 62.0199

Rectangle

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



65.9271, 78.5583, 29.1413



51.1380, 78.5583, 59.0886



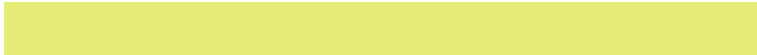
84.1477, 78.5583, 188.6084



104.4915, 78.5583, 118.8909

Sweetspot

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



65.9290, 78.5619, 29.1429



88.5435, 97.2879, 79.5870



45.8297, 34.4828, 21.6942



18.7766, 20.7502, 16.2592



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.



65.9290, 78.5619, 29.1429



75.6818, 91.8234, 26.3052



50.2233, 70.4653, 28.4079



16.2452, 17.5719, 16.0542



32.8461, 41.4773, 6.2747



2.6096, 3.2726, 0.4941

Inverse Universe

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



30.6380, 23.8220, 83.1087



29.5320, 20.1925, 96.9488



42.1027, 29.7322, 83.6453



14.3258, 14.5977, 18.9848



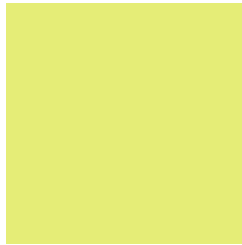
8.5012, 3.4185, 43.9547



0.7008, 0.2856, 3.4531

Previews

White Background



This preview shows how the XYZ color 65.9271, 78.5583, 29.1413 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 65.9271, 78.5583, 29.1413 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 65.9271, 78.5583, 29.1413

Background



This preview shows how black text looks on a background with the XYZ color 65.9271, 78.5583, 29.1413.



This preview shows how white text looks on a background with the XYZ color 65.9271, 78.5583,

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

65.9271, 78.5583, 29.1413

Protanopia

71.6797, 78.1822, 27.8357

Deuteranopia

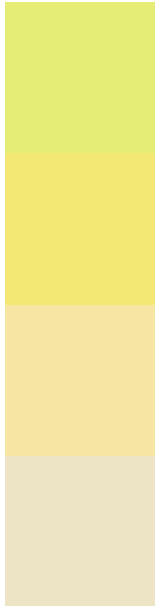
76.9728, 78.2021, 58.6146



Tritanopia

78.8828, 78.0035, 94.1177

Trichromacy



Original Color

65.9271, 78.5583, 29.1413

Protanomaly

69.3757, 78.2307, 28.2732

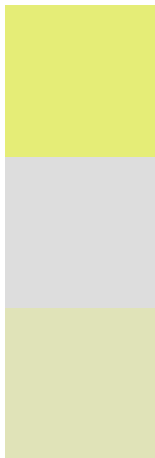
Deuteranomaly

72.6362, 78.2758, 45.9307

Tritanomaly

72.7465, 77.5225, 63.9525

Monochromacy



Original Color

65.9271, 78.5583, 29.1413

Achromatopsia

68.7264, 72.3055, 78.7407

Achromatomaly

66.8613, 74.2462, 56.1544

CSS Examples

Text

The CSS property to change the color of the text to XYZ 65.9271, 78.5583, 29.1413 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(229, 237, 119)` looks like.

```
.text, #text, p{  
    color:rgb(229, 237, 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(229, 237, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 237, 119) }
```

Border

The CSS property to change the border of an element to XYZ 65.9271, 78.5583, 29.1413 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(229, 237, 119) }
```


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

```
.border{ border-color:rgb(229, 237, 119) }
```

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

Here you see how a box with a 4 pixel `rgb(229, 237, 119)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 237, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 237, 119);  
box-shadow:4px 4px 4px 4px rgb(229, 237,  
119) }
```

Background

The CSS property to change the background color of an element to XYZ 65.9271, 78.5583, 29.1413 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 237, 119) }
```

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

```
.background{ background-color: rgb(229,  
237, 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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