

Converting Colors

XYZ(64.6917, 77.0874, 28.4452)

Have a look what the booklet for
XYZ(64.6917, 77.0874, 28.4452)
contains.

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Color

**XYZ(64.5978, 77.0319,
28.2936)**

Conversions

Conversions Part 1

Format	Color
Hex	E3EB75
RGB	227, 235, 117
RGB Percent	89%, 92%, 46%
CMY	0.1098, 0.0784, 0.5412
CMYK	0.03, 0.00, 0.50, 0.08
HSL	64°, 75%, 69%
HSV	64°, 50%, 92%
XYZ	64.5978, 77.0319, 28.2936
YIQ	219.1560, 33.1100, -38.3940

Conversions

Conversions Part 2

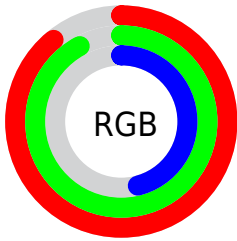
Format	Color
RYB	117, 235, 125
Decimal	14936949
CIELab	90.34, -18.74, 55.71
CIELCh	90, 58.780, 108.592
Yxy	77.0319, 0.3802, 0.4533
Android (android.graphics.Color)	4293127029 (0xFFE3EB75)
YUV	219.1560, -50.3629, 6.8792
Hunter-Lab	87.7678, -22.2163, 42.3242

Details

The XYZ color **64.5978, 77.0319, 28.2936** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **29.8168, 23.0826, 81.4857**, and the grayscale version is **67.7646, 71.2936, 77.6387**.

A 20% lighter version of the original color is **84.4464, 95.7586, 53.0622**, and **33.4077, 41.0454, 11.0123** is the 20% darker color. If you saturate the color by 10%, you get **62.8861, 76.2922, 21.8845**, and if you desaturate by 10%, it is **66.6647, 77.9198, 36.5326**.

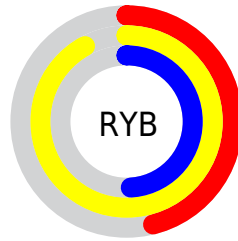
Distribution



Red (89%)

Green (92%)

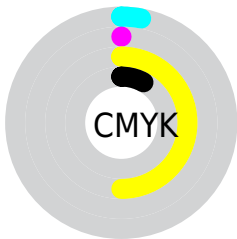
Blue (46%)



Red (46%)

Yellow (92%)

Blue (49%)

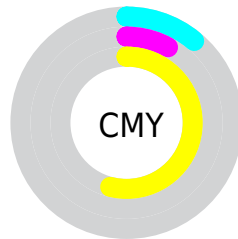


Cyan (3%)

Magenta (0%)

Yellow (50%)

Black (8%)



Cyan (11%)

Magenta (8%)

Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 64.5978, 77.0319, 28.2936 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 64.5978, 77.0319, 28.2936 by changing the saturation by 10% instead.

64.5978, 77.0319,
28.2936

64.5978, 77.0319,
28.2936

430.9133,
484.8728, 307.8232

47.3985, 57.2791,
18.3061

110.5404,
129.1845, 57.9816

33.5601, 41.2293,
10.9983

140.0143,
162.3531, 78.5192

22.7171, 28.4983,
5.9515

174.3106,
200.7623, 103.4105

14.5043, 18.7016,
2.7473

213.7944,
244.7967, 133.0743

8.5563, 11.4549,
0.9671

258.8313,
294.8405, 167.9288

4.5077, 6.3737,
0.0000

309.7865,

1.9932, 3.0736,

351.2782, 208.3928

0.0000

367.0254,
414.4941, 254.8847

■ 0.6301, 1.1703,
0.0000

■ 0.0000, 0.0372,
0.0000

■ 64.5978, 77.0319,
28.2936

■ 64.5978, 77.0319,
28.2936

■ 62.8861, 76.2922,
21.8845

■ 66.6647, 77.9198,
36.5326

■ 61.4975, 75.6794,
17.1610


■ 69.1050, 78.9549,
46.7217


■ 60.4037, 75.1852,
13.9655


■ 71.9423, 80.1492,
58.9763

■ 59.5686, 74.7949,
12.1079


■ 75.1964, 81.5108,
73.4017


 58.9420, 74.4897,
11.2714

 78.8860, 83.0472,
90.0958

 82.5406, 84.5701,
106.5811

 83.0740, 84.8451,
106.6060

 83.6123, 85.1226,
106.6312

 84.1553, 85.4025,
106.6566

Harmonies

Analogous

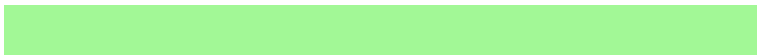
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



78.9306, 77.0319, 27.0446



64.5978, 77.0319, 28.2936



54.0565, 77.0319, 41.0314

Triad

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



64.5978, 77.0319, 28.2936



56.1210, 77.0319, 160.0964



104.4452, 77.0319, 100.8646

Complementary

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



64.5978, 77.0319, 28.2936



29.8168, 23.0826, 81.4857

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.



96.4408, 77.0319, 149.3478



64.5978, 77.0319, 28.2936



67.7850, 77.0319, 190.4097

Square

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



64.5978, 77.0319, 28.2936



49.6317, 77.0319, 112.3140



82.5696, 77.0319, 185.9263



103.2918, 77.0319, 60.6935

Rectangle

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



64.5978, 77.0319, 28.2936



49.9979, 77.0319, 57.7400



82.5696, 77.0319, 185.9263



102.6974, 77.0319, 116.9011

Sweetspot

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



64.5996, 77.0354, 28.2952



88.5435, 97.2879, 79.5870



44.7912, 33.5820, 20.9519



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.



64.5996, 77.0354, 28.2952



75.6818, 91.8234, 26.3052



49.0989, 69.0445, 27.5698



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.



29.8168, 23.0826, 81.4857



29.5320, 20.1925, 96.9488



41.0943, 28.8963, 82.0135



14.3258, 14.5977, 18.9848



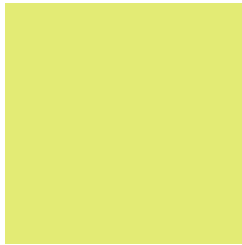
8.5012, 3.4185, 43.9547



0.7008, 0.2856, 3.4531

Previews

White Background



This preview shows how the XYZ color 64.5978, 77.0319, 28.2936 looks on a white background.

Color Contrast Check

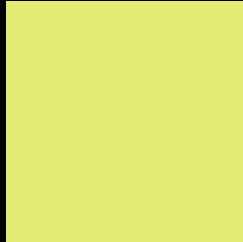
Large Text (above 18pt) WCAG AA × Fail

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 64.5978, 77.0319, 28.2936 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

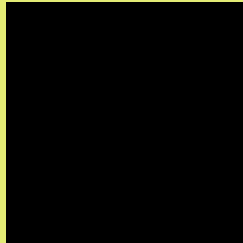
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 64.5978, 77.0319, 28.2936

Background



This preview shows how black text looks on a background with the XYZ color 64.5978, 77.0319, 28.2936.



This preview shows how white text looks on a background with the XYZ color 64.5978, 77.0319,

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

64.5978, 77.0319, 28.2936

Protanopia

70.2900, 76.6623, 27.0122

Deuteranopia

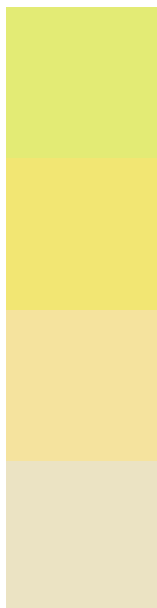
75.8048, 76.8800, 55.0999



Tritanopia

77.6364, 76.9998, 92.4319

Trichromacy



Original Color

64.5978, 77.0319, 28.2936

Protanomaly

68.0093, 76.7087, 27.4414

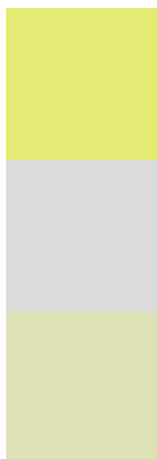
Deuteranomaly

71.2968, 76.8193, 43.4176

Tritanomaly

71.5804, 76.5405, 62.6309

Monochromacy



Original Color

64.5978, 77.0319, 28.2936

Achromatopsia

67.3311, 70.8376, 77.1421

Achromatomaly

65.4929, 72.7574, 54.8477

CSS Examples

Text

The CSS property to change the color of the text to XYZ 64.5978, 77.0319, 28.2936 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(227, 235, 117)` looks like.

```
.text, #text, p{  
    color:rgb(227, 235, 117)  
}
```

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(227, 235, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 235, 117) }
```

Border

The CSS property to change the border of an element to XYZ 64.5978, 77.0319, 28.2936 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(227, 235, 117) }
```


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

```
.border{ border-color:rgb(227, 235, 117) }
```

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

Here you see how a box with a 4 pixel `rgb(227, 235, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 235, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 235, 117);  
box-shadow:4px 4px 4px 4px rgb(227, 235,  
117) }
```

Background

The CSS property to change the background color of an element to XYZ 64.5978, 77.0319, 28.2936 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 235, 117) }
```

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

```
.background{ background-color: rgb(227,  
235, 117) }
```

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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