

Converting Colors

XYZ(65.2371, 79.7005, 14.7411)

Have a look what the booklet for
XYZ(65.2371, 79.7005, 14.7411)
contains.

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Color

**XYZ(65.2979, 79.8572,
14.7687)**

Conversions

Conversions Part 1

Format	Color
Hex	E9F030
RGB	233, 240, 48
RGB Percent	91%, 94%, 19%
CMY	0.0863, 0.0588, 0.8117
CMYK	0.03, 0.00, 0.80, 0.06
HSL	62°, 86%, 56%
HSV	62°, 80%, 94%
XYZ	65.2979, 79.8572, 14.7687
YIQ	216.0190, 57.4600, -61.1960

Conversions

Conversions Part 2

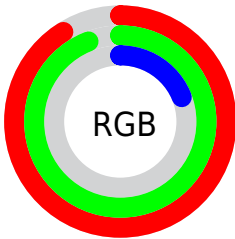
Format	Color
RYB	48, 240, 55
Decimal	15331376
CIELab	91.62, -22.69, 82.79
CIELCh	92, 85.847, 105.329
Yxy	79.8572, 0.4083, 0.4993
Android (android.graphics.Color)	4293521456 (0xFFE9F030)
YUV	216.0190, -82.8334, 14.8923
Hunter-Lab	89.3629, -25.9541, 52.7553

Details

The XYZ color **65.2979, 79.8572, 14.7687** is a light color, and the websafe version is hex **FFFF33**. The color can be described as light washed yellow. A complement of this color would be **18.3629, 9.2190, 83.2546**, and the grayscale version is **65.8050, 69.2320, 75.3936**.

A 20% lighter version of the original color is **79.9246, 93.9499, 29.2509**, and **34.3741, 43.1652, 6.5200** is the 20% darker color. If you saturate the color by 10%, you get **64.6457, 79.5664, 12.8153**, and if you desaturate by 10%, it is **66.2227, 80.2632, 18.1346**.

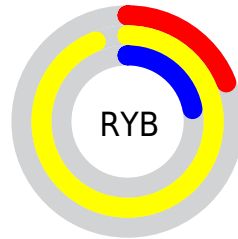
Distribution



Red (91%)

Green (94%)

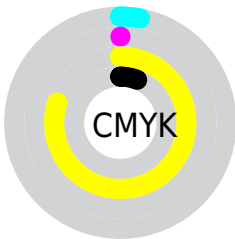
Blue (19%)



Red (19%)

Yellow (94%)

Blue (22%)

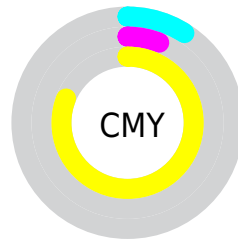


Cyan (3%)

Magenta (0%)

Yellow (80%)

Black (6%)



Cyan (9%)

Magenta (6%)

Yellow (81%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 65.2979, 79.8572, 14.7687 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 65.2979, 79.8572, 14.7687 by changing the saturation by 10% instead.

65.2979, 79.8572,
14.7687

65.2979, 79.8572,
14.7687

433.3900,
494.4515, 233.5543

47.9683, 59.6009,
8.5124

111.5414,
133.1649, 35.1834

34.0129, 43.0970,
4.3321

141.1859,
166.9851, 50.1790

23.0665, 29.9612,
1.8092

175.6661,
206.0954, 68.9246

14.7635, 19.8092,
0.4340

215.3474,
250.8801, 91.8390

8.7388, 12.2564,
0.0000

260.5951,
301.7237, 119.3406

4.6270, 6.9185,
0.0000

311.7745,

2.0626, 3.4112,

359.0105, 151.8480

0.0000

369.2510,
423.1250, 189.7797

■ 0.6688, 1.3500,
0.0000

■ 0.0000, 0.1794,
0.0000

■ 65.2979, 79.8572,
14.7687

■ 65.2979, 79.8572,
14.7687

■ 64.6457, 79.5664,
12.8153

■ 66.2227, 80.2632,
18.1346

■ 64.1970, 79.3541,
11.9336

■ 67.4526, 80.7885,
23.1075

■ 64.1968, 79.3540,
11.9333

■ 69.0212, 81.4493,
29.8563

■ 70.9562, 82.2570,
38.5277

■ 73.2827, 83.2213,
49.2528

■ 76.0233, 84.3515,
62.1513

■ 79.1991, 85.6559,
77.3340

■ 82.8297, 87.1424,
94.9038

■ 85.4475, 88.2240,
107.1331

Harmonies

Analogous

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



87.0826, 79.8572, 14.6590



65.2979, 79.8572, 14.7687



49.7050, 79.8572, 26.7102

Triad

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



65.2979, 79.8572, 14.7687



49.9635, 79.8572, 204.1120



124.4014, 79.8572, 121.2381

Complementary

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



65.2979, 79.8572, 14.7687



18.3629, 9.2190, 83.2546

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.



109.9868, 79.8572, 202.3860



65.2979, 79.8572, 14.7687



65.7216, 79.8572, 263.7509

Square

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



65.2979, 79.8572, 14.7687



42.0833, 79.8572, 122.9166



87.5959, 79.8572, 263.0000



124.2274, 79.8572, 58.7896

Rectangle

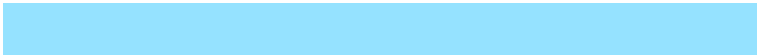
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



65.2979, 79.8572, 14.7687



43.6875, 79.8572, 45.6781



87.5959, 79.8572, 263.0000



120.9958, 79.8572, 147.6801

Sweetspot

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



65.2997, 79.8609, 14.7703



85.8982, 96.2449, 64.9711



37.8093, 21.4164, 4.9383



18.1484, 20.5025, 12.7913



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.



65.2997, 79.8609, 14.7703



73.8451, 91.1471, 13.9940



42.1121, 67.9072, 13.6852



17.0625, 18.4279, 16.8074



35.1661, 43.4503, 6.5333



2.9432, 3.6238, 0.5443

Inverse Universe

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



18.3629, 9.2190, 83.2546



18.4319, 7.5812, 95.0996



29.4393, 14.9291, 83.7730



14.9506, 15.2562, 19.8784



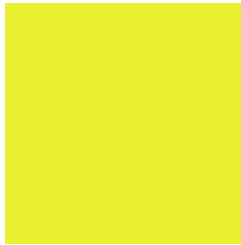
8.6937, 3.4872, 45.3428



0.7419, 0.2997, 3.7730

Previews

White Background



This preview shows how the XYZ color 65.2979, 79.8572, 14.7687 looks on a white background.

Color Contrast Check

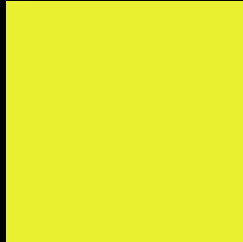
Large Text (above 18pt) WCAG AA × Fail

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 65.2979, 79.8572, 14.7687 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 65.2979, 79.8572, 14.7687

Background



This preview shows how black text looks on a background with the XYZ color 65.2979, 79.8572, 14.7687.



This preview shows how white text looks on a background with the XYZ color 65.2979, 79.8572,

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

65.2979, 79.8572, 14.7687

Protanopia

72.5762, 79.5160, 25.9909

Deuteranopia

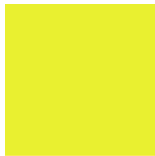
77.6217, 79.3268, 59.3646



Tritanopia

81.3318, 79.2660, 94.2323

Trichromacy



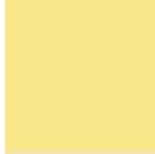
Original Color

65.2979, 79.8572, 14.7687



Protanomaly

69.5009, 79.3079, 20.6617



Deuteranomaly

71.5211, 78.7610, 35.4776



Tritanomaly

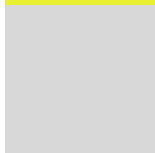
72.3321, 78.0336, 49.7778

Monochromacy



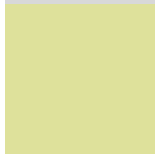
Original Color

65.2979, 79.8572, 14.7687



Achromatopsia

65.2694, 68.6685, 74.7800



Achromatomaly

62.9658, 71.7466, 41.5402

CSS Examples

Text

The CSS property to change the color of the text to XYZ 65.2979, 79.8572, 14.7687 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(233, 240, 48)` looks like.

```
.text, #text, p{  
    color:rgb(233, 240, 48)  
}
```

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(233, 240, 48) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 240, 48) }
```

Border

The CSS property to change the border of an element to XYZ 65.2979, 79.8572, 14.7687 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(233, 240, 48) }
```


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

```
.border{ border-color:rgb(233, 240, 48) }
```

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

Here you see how a box with a 4 pixel `rgb(233, 240, 48)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 240, 48); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 240, 48);  
box-shadow:4px 4px 4px 4px rgb(233, 240,  
48) }
```

Background

The CSS property to change the background color of an element to XYZ 65.2979, 79.8572, 14.7687 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 240, 48) }
```

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

```
.background{ background-color: rgb(233,  
240, 48) }
```

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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