

Converting Colors

XYZ(65.5888, 79.7838, 28.7129)

Have a look what the booklet for
XYZ(65.5888, 79.7838, 28.7129)
contains.

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Color

**XYZ(65.4223, 79.6121,
28.7482)**

Conversions

Conversions Part 1

Format	Color
Hex	E1F075
RGB	225, 240, 117
RGB Percent	88%, 94%, 46%
CMY	0.1176, 0.0588, 0.5412
CMYK	0.06, 0.00, 0.51, 0.06
HSL	67°, 80%, 70%
HSV	67°, 51%, 94%
XYZ	65.4223, 79.6121, 28.7482
YIQ	221.4930, 30.5430, -41.4330

Conversions

Conversions Part 2

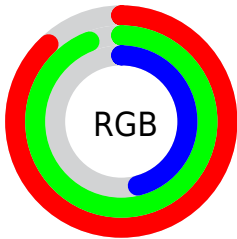
Format	Color
R_{YB}	117, 240, 132
Decimal	14807157
CIE _{Lab}	91.51, -21.94, 57.06
CIE _{LCh}	92, 61.130, 111.033
Yxy	79.6121, 0.3765, 0.4581
Android (android.graphics.Color)	4292997237 (0xFFE1F075)
YUV	221.4930, -51.5150, 3.0756
Hunter-Lab	89.2256, -25.2645, 43.3549

Details

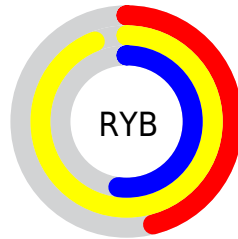
The XYZ color **65.4223, 79.6121, 28.7482** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **31.6081, 23.9214, 85.3942**, and the grayscale version is **69.4119, 73.0267, 79.5261**.

A 20% lighter version of the original color is **84.4464, 95.7586, 53.0622**, and **33.9740, 42.8554, 11.1839** is the 20% darker color. If you saturate the color by 10%, you get **63.2839, 78.6550, 22.2031**, and if you desaturate by 10%, it is **67.9419, 80.7292, 37.2023**.

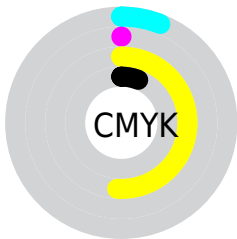
Distribution



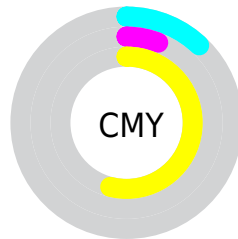
- Red (88%)
- Green (94%)
- Blue (46%)



- Red (46%)
- Yellow (94%)
- Blue (52%)



- Cyan (6%)
- Magenta (0%)
- Yellow (51%)
- Black (6%)



- Cyan (12%)
- Magenta (6%)
- Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 65.4223, 79.6121, 28.7482 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 65.4223, 79.6121, 28.7482 by changing the saturation by 10% instead.

65.4223, 79.6121,
28.7482

65.4223, 79.6121,
28.7482

433.8292,
493.6246, 310.0487

48.0696, 59.3992,
18.6465

111.7191,
132.8202, 58.7142

34.0935, 42.9346,
11.2409

141.3939,
166.5842, 79.4155

23.1286, 29.8338,
6.1129

175.9067,
205.6341, 104.4872

14.8097, 19.7125,
2.8440

215.6230,
250.3542, 134.3477

8.7714, 12.1862,
1.0155

260.9080,
301.1289, 169.4155

4.6483, 6.8706,
0.0000


312.1272,


2.0750, 3.3813,


358.3426, 210.1093


0.0000


369.6458,
422.3797, 256.8475


 0.6756, 1.3339,
0.0000


 0.0000, 0.1672,
0.0000


 65.4223, 79.6121,
28.7482


 65.4223, 79.6121,
28.7482


 63.2839, 78.6550,
22.2031

 67.9419, 80.7292,
37.2023


 61.4927, 77.8358,
17.4134


 70.8623, 82.0055,
47.6934


 60.0181, 77.1450,
14.2100


 74.2086, 83.4540,
60.3442


 58.8212, 76.5671,
12.3882


 78.0019, 85.0832,
75.2663


 57.9471, 76.1321,
11.6408

 82.2621, 86.9010,
92.5637

 86.0252, 88.5218,
107.1601

 87.0415, 89.0457,
107.2077

 88.0740, 89.5779,
107.2560

 89.1227, 90.1186,
107.3051

Harmonies

Analogous

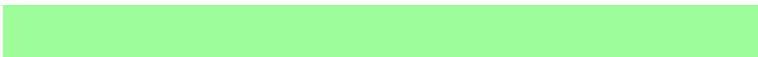
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



80.4331, 79.6121, 26.5702



65.4223, 79.6121, 28.7482



54.6926, 79.6121, 43.1631

Triad

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



65.4223, 79.6121, 28.7482



58.3561, 79.6121, 171.9223



109.2698, 79.6121, 100.7505

Complementary

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



65.4223, 79.6121, 28.7482



31.6081, 23.9214, 85.3942

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.



101.4211, 79.6121, 152.5757



65.4223, 79.6121, 28.7482



71.0967, 79.6121, 201.9888

Square

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



65.4223, 79.6121, 28.7482



51.0188, 79.6121, 121.2506



86.9332, 79.6121, 193.8990



107.2017, 79.6121, 59.4036

Rectangle

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



65.4223, 79.6121, 28.7482



50.7355, 79.6121, 61.6904



86.9332, 79.6121, 193.8990



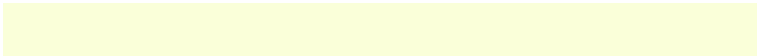
107.6681, 79.6121, 117.6534

Sweetspot

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



65.4242, 79.6157, 28.7499



87.7958, 96.9024, 79.5520



47.3123, 36.1386, 21.3125



18.5946, 20.6563, 16.2507



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.



65.4242, 79.6157, 28.7499



72.6333, 90.2662, 25.5124



49.7147, 71.5172, 28.0147



16.9220, 18.3555, 16.8008



31.7959, 41.7129, 6.3756



2.6980, 3.4974, 0.5329

Inverse Universe

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



31.6081, 23.9214, 85.3942



30.0840, 20.1107, 96.9039



44.0462, 30.3335, 85.9763



15.0764, 15.3211, 19.8843



8.9496, 3.6191, 45.3547



0.8019, 0.3307, 3.7758

Previews

White Background



This preview shows how the XYZ color 65.4223, 79.6121, 28.7482 looks on a white background.

Color Contrast Check

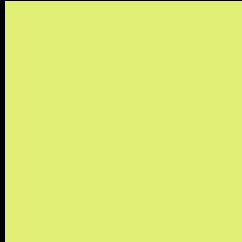
Large Text (above 18pt) WCAG AA × Fail

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 65.4223, 79.6121, 28.7482 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

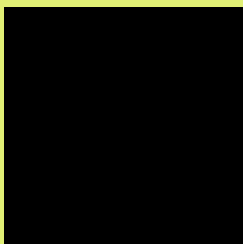
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

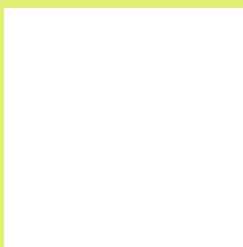
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 65.4223, 79.6121, 28.7482

Background



This preview shows how black text looks on a background with the XYZ color 65.4223, 79.6121, 28.7482.



This preview shows how white text looks on a background with the XYZ color 65.4223, 79.6121,

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

65.4223, 79.6121, 28.7482

Protanopia

72.8532, 79.6267, 27.4493

Deuteranopia

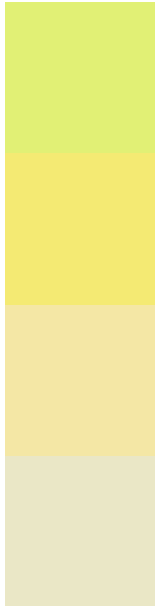
77.9508, 79.4585, 61.0977



Tritanopia

79.1221, 79.2751, 96.7194

Trichromacy



Original Color

65.4223, 79.6121, 28.7482

Protanomaly

69.8256, 79.3165, 27.8491

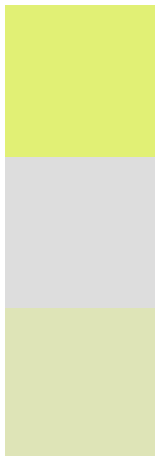
Deuteranomaly

72.6757, 79.1015, 47.0350

Tritanomaly

72.7006, 78.7215, 64.7891

Monochromacy



Original Color

65.4223, 79.6121, 28.7482

Achromatopsia

68.7264, 72.3055, 78.7407

Achromatomaly

66.4148, 74.4353, 55.6668

CSS Examples

Text

The CSS property to change the color of the text to XYZ 65.4223, 79.6121, 28.7482 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(225, 240, 117)` looks like.

```
.text, #text, p{  
    color:rgb(225, 240, 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(225, 240, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 240, 117) }
```

Border

The CSS property to change the border of an element to XYZ 65.4223, 79.6121, 28.7482 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(225, 240, 117) }
```


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

```
.border{ border-color:rgb(225, 240, 117) }
```

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

Here you see how a box with a 4 pixel `rgb(225, 240, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(225, 240, 117); -webkit-box-shadow:4px 4px 4px 4px rgb(225, 240, 117); box-shadow:4px 4px 4px 4px rgb(225, 240, 117) }
```

Background

The CSS property to change the background color of an element to XYZ 65.4223, 79.6121, 28.7482 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 240, 117) }
```

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

```
.background{ background-color: rgb(225,  
240, 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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