

Converting Colors

XYZ(65.6121, 78.2506, 35.6905)

Have a look what the booklet for
XYZ(65.6121, 78.2506, 35.6905)
contains.

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Color

**XYZ(65.6121, 78.2506,
35.6905)**

Conversions

Conversions Part 1

Format	Color
Hex	E0ED8A
RGB	224, 237, 138
RGB Percent	88%, 93%, 54%
CMY	0.1216, 0.0706, 0.4588
CMYK	0.05, 0.00, 0.42, 0.07
HSL	68°, 73%, 74%
HSV	68°, 42%, 93%
XYZ	65.6121, 78.2506, 35.6905
YIQ	221.8270, 24.0310, -33.5450

Conversions

Conversions Part 2

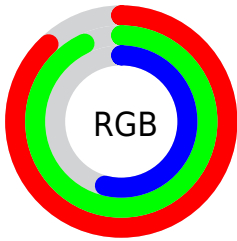
Format	Color
RYB	138, 237, 151
Decimal	14740874
CIELab	90.89, -18.86, 46.40
CIELCh	91, 50.086, 112.115
Yxy	78.2506, 0.3654, 0.4358
Android (android.graphics.Color)	4292930954 (0xFFE0ED8A)
YUV	221.8270, -41.3267, 1.9057
Hunter-Lab	88.4594, -22.4068, 38.0000

Details

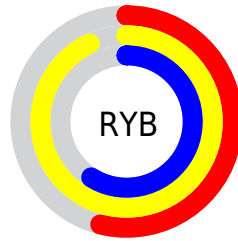
The XYZ color **65.6121, 78.2506, 35.6905** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **37.1399, 30.8727, 84.1268**, and the grayscale version is **69.5813, 73.2050, 79.7202**.

A 20% lighter version of the original color is **86.6256, 96.6303, 64.5379**, and **34.1399, 41.9351, 15.0990** is the 20% darker color. If you saturate the color by 10%, you get **63.1246, 77.1479, 27.5739**, and if you desaturate by 10%, it is **68.4955, 79.5192, 45.7830**.

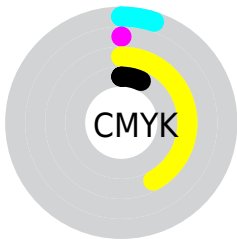
Distribution



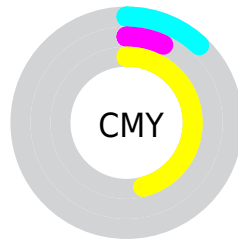
- Red (88%)
- Green (93%)
- Blue (54%)



- Red (54%)
- Yellow (93%)
- Blue (59%)



- Cyan (5%)
- Magenta (0%)
- Yellow (42%)
- Black (7%)



- Cyan (12%)
- Magenta (7%)
- Yellow (46%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 65.6121, 78.2506, 35.6905 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 65.6121, 78.2506, 35.6905 by changing the saturation by 10% instead.

65.6121, 78.2506,
35.6905

65.6121, 78.2506,
35.6905

434.4989,
489.0175, 342.6022

48.2241, 58.2799,
23.9075

111.9902,
130.9033, 69.7178

34.2164, 42.0337,
15.0534

141.7111,
164.3541, 92.7990

23.2236, 29.1277,
8.7098

176.2736,
203.0670, 120.4835

14.8803, 19.1774,
4.4582

216.0432,
247.4265, 153.1897

8.8212, 11.7985,
1.8799

261.3852,
297.8168, 191.3361

4.6809, 6.6067,
0.4799

312.6648,

2.0941, 3.2173,

354.6225, 235.3413

0.0000

370.2476,
418.2280, 285.6238

0.6860, 1.2462,
0.0000

0.0000, 0.0990,
0.0000

65.6121, 78.2506,
35.6905

65.6121, 78.2506,
35.6905

63.1246, 77.1479,
27.5739

68.4955, 79.5192,
45.7830

61.0027, 76.1907,
21.2988


71.7916, 80.9522,
57.9644

59.2205, 75.3714,
16.7215


75.5230, 82.5614,
72.3449


57.7463, 74.6773,
13.6754


79.7091, 84.3545,
89.0259


 56.5420, 74.0932,
11.9601


 84.1244, 86.2414,
106.8202

 55.7037, 73.6751,
11.2848

 85.1880, 86.7897,
106.8699

 86.2699, 87.3475,
106.9206

 87.3700, 87.9146,
106.9721

 88.4885, 88.4912,
107.0244

Harmonies

Analogous

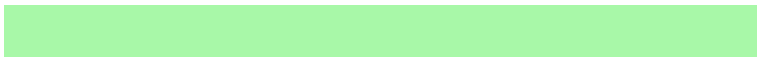
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



77.7520, 78.2506, 33.2546



65.6121, 78.2506, 35.6905



56.8271, 78.2506, 49.2680

Triad

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



65.6121, 78.2506, 35.6905



60.4527, 78.2506, 152.6264



101.0804, 78.2506, 95.0902

Complementary

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



65.6121, 78.2506, 35.6905



37.1399, 30.8727, 84.1268

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.



95.2074, 78.2506, 135.3724



65.6121, 78.2506, 35.6905



71.0970, 78.2506, 174.1941

Square

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



65.6121, 78.2506, 35.6905



54.0914, 78.2506, 114.1200



83.8850, 78.2506, 167.1174



99.1842, 78.2506, 61.6345

Rectangle

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



65.6121, 78.2506, 35.6905



53.5976, 78.2506, 65.5999



83.8850, 78.2506, 167.1174



99.9281, 78.2506, 108.3641

Sweetspot

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



65.6140, 78.2541, 35.6921



88.5807, 97.2293, 83.1003



50.3498, 41.5109, 29.4045



18.7444, 20.7183, 16.9486



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.



65.6140, 78.2541, 35.6921



74.9675, 91.2859, 33.9187



52.7676, 71.6316, 35.0909



16.1460, 17.5208, 16.0496



30.4906, 40.2630, 6.1645



2.4484, 3.1895, 0.4866

Inverse Universe

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



37.1399, 30.8727, 84.1268



37.2493, 28.4800, 98.1417



47.9435, 36.4421, 84.6324



14.4151, 14.6438, 18.9890



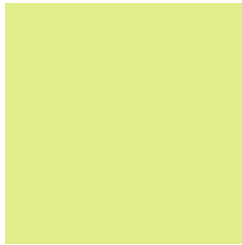
8.7172, 3.5298, 43.9648



0.7434, 0.3075, 3.4551

Previews

White Background



This preview shows how the XYZ color 65.6121, 78.2506, 35.6905 looks on a white background.

Color Contrast Check

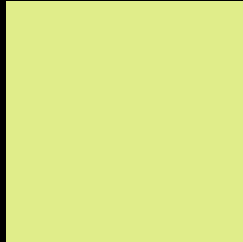
Large Text (above 18pt) WCAG AA × Fail

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 65.6121, 78.2506, 35.6905 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

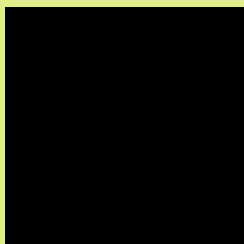
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

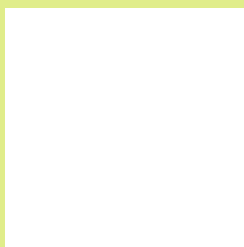
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 65.6121, 78.2506, 35.6905

Background



This preview shows how black text looks on a background with the XYZ color 65.6121, 78.2506, 35.6905.



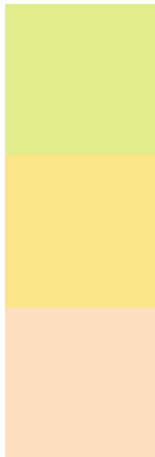
This preview shows how white text looks on a background with the XYZ color 65.6121, 78.2506,

35.6905.

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

65.6121, 78.2506, 35.6905

Protanopia

71.8168, 78.1119, 34.2136

Deuteranopia

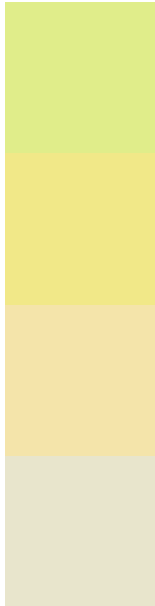
76.8130, 77.7095, 59.0951



Tritanopia

77.5443, 78.0941, 94.9910

Trichromacy



Original Color

65.6121, 78.2506, 35.6905

Protanomaly

69.5762, 78.1916, 34.7180

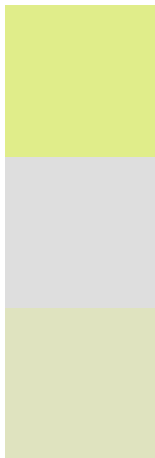
Deuteranomaly

72.3073, 77.6222, 49.2018

Tritanomaly

72.1971, 77.5541, 68.2910

Monochromacy



Original Color

65.6121, 78.2506, 35.6905

Achromatopsia

69.4303, 73.0461, 79.5472

Achromatomaly

67.3045, 74.3877, 60.1012

CSS Examples

Text

The CSS property to change the color of the text to XYZ 65.6121, 78.2506, 35.6905 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(224, 237, 138)` looks like.

```
.text, #text, p{  
    color:rgb(224, 237, 138)  
}
```

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(224, 237, 138) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 237, 138) }
```

Border

The CSS property to change the border of an element to XYZ 65.6121, 78.2506, 35.6905 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(224, 237, 138) }
```


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

```
.border{ border-color:rgb(224, 237, 138) }
```

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

Here you see how a box with a 4 pixel `rgb(224, 237, 138)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 237, 138); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 237, 138);  
box-shadow:4px 4px 4px 4px rgb(224, 237,  
138) }
```

Background

The CSS property to change the background color of an element to XYZ 65.6121, 78.2506, 35.6905 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 237, 138) }
```

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

```
.background{ background-color: rgb(224,  
237, 138) }
```

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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