

Converting Colors

XYZ(66.0630, 80.3300, 37.9313)

Have a look what the booklet for
XYZ(66.0630, 80.3300, 37.9313)
contains.

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Color

**XYZ(65.9284, 80.1094,
37.9745)**

Conversions

Conversions Part 1

Format	Color
Hex	DCF18F
RGB	220, 241, 143
RGB Percent	86%, 95%, 56%
CMY	0.1373, 0.0549, 0.4392
CMYK	0.09, 0.00, 0.41, 0.05
HSL	73°, 78%, 75%
HSV	73°, 41%, 95%
XYZ	65.9284, 80.1094, 37.9745
YIQ	223.5490, 18.9420, -34.9300

Conversions

Conversions Part 2

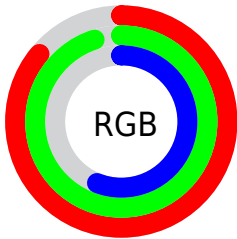
Format	Color
R _{YB}	143, 241, 164
Decimal	14479759
CIE _{Lab}	91.73, -21.77, 44.97
CIE _{LCh}	92, 49.959, 115.829
Y _{xy}	80.1094, 0.3583, 0.4353
Android (android.graphics.Color)	4292669839 (0xFFDCE18F)
YUV	223.5490, -39.7107, -3.1125
Hunter-Lab	89.5039, -25.1489, 37.4973

Details

The XYZ color **65.9284, 80.1094, 37.9745** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **41.0126, 33.8905, 87.6036**, and the grayscale version is **70.7962, 74.4832, 81.1122**.

A 20% lighter version of the original color is **87.1930, 96.8572, 67.5258**, and **34.5471, 43.3458, 16.4433** is the 20% darker color. If you saturate the color by 10%, you get **62.7566, 78.6656, 29.2984**, and if you desaturate by 10%, it is **69.5447, 81.7421, 48.7218**.

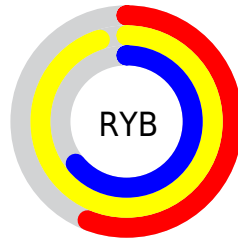
Distribution



Red (86%)

Green (95%)

Blue (56%)



Red (56%)

Yellow (95%)

Blue (64%)

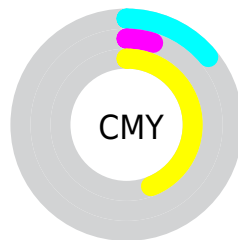


Cyan (9%)

Magenta (0%)

Yellow (41%)

Black (5%)



Cyan (14%)


Magenta (5%)


Yellow (44%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 65.9284, 80.1094, 37.9745 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 65.9284, 80.1094, 37.9745 by changing the saturation by 10% instead.


 65.9284, 80.1094,
37.9745

 65.9284, 80.1094,
37.9745


435.6134,
495.3014, 352.8055

 48.4818, 59.8084,
25.6612


 112.4419,
133.5195, 73.2720

 34.4214, 43.2642,
16.3469


 142.2394,
167.3974, 97.0934

 23.3819, 30.0925,
9.6129


176.8846,
206.5698, 125.5878

 14.9980, 19.9088,
5.0409

216.7429,
251.4209, 159.1739

 8.9043, 12.3288,
2.2121

262.1796,
302.3352, 198.2702

 4.7354, 6.9680,
0.6813

313.5600,

 2.1260, 3.4421,

359.6972, 243.2952

0.0000

371.2495,
423.8911, 294.6674

0.7033, 1.3667,
0.0000

0.0000, 0.1920,
0.0000

65.9284, 80.1094,
37.9745

65.9284, 80.1094,
37.9745

62.7566, 78.6656,
29.2984

69.5447, 81.7421,
48.7218

59.9977, 77.3897,
22.5548


73.6231, 83.5625,
61.6569

57.6247, 76.2737,
17.5962


78.1873, 85.5830,
76.8937


55.6048, 75.3044,
14.2518


83.2576, 87.8116,
94.5368

 53.8989, 74.4660,
12.3172

 87.4530, 89.6959,
107.3115

 52.5299, 73.7776,
11.4719

 89.2886, 90.6423,
107.3974

 90.7470, 91.3941,
107.4657

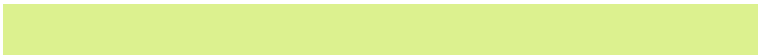
Harmonies

Analogous

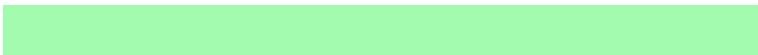
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



77.9429, 80.1094, 34.1767



65.9284, 80.1094, 37.9745



57.5650, 80.1094, 53.3662

Triad

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



65.9284, 80.1094, 37.9745



63.1560, 80.1094, 159.3765



103.3757, 80.1094, 92.4448

Complementary

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



65.9284, 80.1094, 37.9745



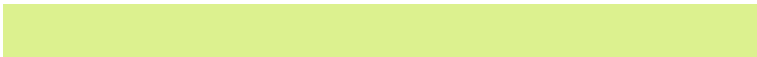
41.0126, 33.8905, 87.6036

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.



98.3379, 80.1094, 133.0282



65.9284, 80.1094, 37.9745



74.3683, 80.1094, 177.9341

Square

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



65.9284, 80.1094, 37.9745



56.0945, 80.1094, 121.6241



87.3585, 80.1094, 167.1496



100.4727, 80.1094, 60.0139

Rectangle

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



65.9284, 80.1094, 37.9745



54.7133, 80.1094, 71.1051



87.3585, 80.1094, 167.1496



102.5408, 80.1094, 105.6150

Sweetspot

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



65.9304, 80.1130, 37.9762



88.1369, 96.9608, 84.8758



54.2627, 46.7389, 32.1493



18.7147, 20.6872, 17.6588



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.



65.9304, 80.1130, 37.9762



71.8568, 89.6627, 34.6561



53.5172, 73.7138, 37.3953



16.7720, 18.2781, 16.7938



28.6023, 40.0666, 6.2261



2.4610, 3.3752, 0.5218

Inverse Universe

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



41.0126, 33.8905, 87.6036



39.9111, 30.3498, 98.3623



52.7386, 39.9354, 88.1524



15.2139, 15.3920, 19.8907



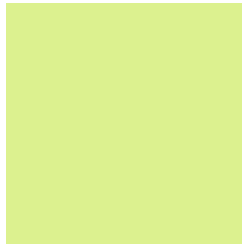
9.4600, 3.8822, 45.3786



0.8682, 0.3648, 3.7789

Previews

White Background



This preview shows how the XYZ color 65.9284, 80.1094, 37.9745 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 65.9284, 80.1094, 37.9745 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

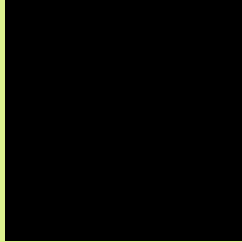
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 65.9284, 80.1094, 37.9745

Background



This preview shows how black text looks on a background with the XYZ color 65.9284, 80.1094, 37.9745.

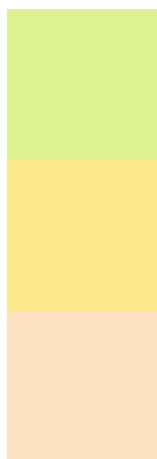


This preview shows how white text looks on a background with the XYZ color 65.9284, 80.1094,

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

65.9284, 80.1094, 37.9745

Protanopia

73.3810, 79.7114, 35.9443

Deuteranopia

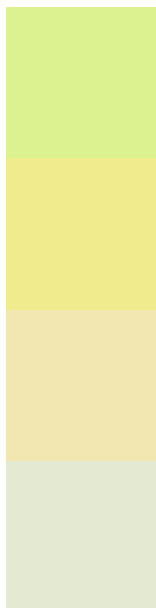
78.4002, 79.6382, 63.4641



Tritanopia

78.4121, 80.0777, 99.3195

Trichromacy



Original Color

65.9284, 80.1094, 37.9745

Protanomaly

70.3771, 79.8354, 36.5114

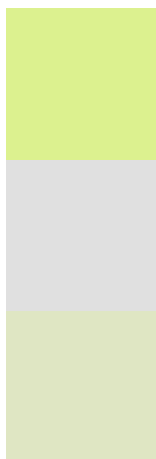
Deuteranomaly

73.1297, 79.2034, 53.0284

Tritanomaly

72.6424, 79.3753, 71.8139

Monochromacy



Original Color

65.9284, 80.1094, 37.9745

Achromatopsia

70.8507, 74.5404, 81.1745

Achromatomaly

68.5786, 76.2217, 62.7275

CSS Examples

Text

The CSS property to change the color of the text to XYZ 65.9284, 80.1094, 37.9745 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(220, 241, 143)` looks like.

```
.text, #text, p{  
    color:rgb(220, 241, 143)  
}
```

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(220, 241, 143) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 241, 143) }
```

Border

The CSS property to change the border of an element to XYZ 65.9284, 80.1094, 37.9745 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(220, 241, 143) }
```


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

```
.border{ border-color:rgb(220, 241, 143) }
```

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

Here you see how a box with a 4 pixel `rgb(220, 241, 143)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 241, 143); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 241, 143);  
box-shadow:4px 4px 4px 4px rgb(220, 241,  
143) }
```

Background

The CSS property to change the background color of an element to XYZ 65.9284, 80.1094, 37.9745 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 241, 143) }
```

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

```
.background{ background-color: rgb(220,  
241, 143) }
```

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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