

Converting Colors

XYZ(65.4763, 81.2000, 34.1633)

Have a look what the booklet for
XYZ(65.4763, 81.2000, 34.1633)
contains.

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Color

**XYZ(65.4290, 81.2727,
34.0685)**

Conversions

Conversions Part 1

Format	Color
Hex	DAF484
RGB	218, 244, 132
RGB Percent	85%, 96%, 52%
CMY	0.1451, 0.0431, 0.4823
CMYK	0.11, 0.00, 0.46, 0.04
HSL	74°, 84%, 74%
HSV	74°, 46%, 96%
XYZ	65.4290, 81.2727, 34.0685
YIQ	223.4580, 20.4560, -40.3440

Conversions

Conversions Part 2

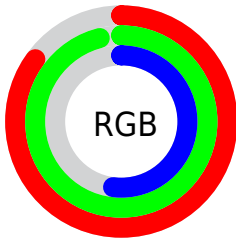
Format	Color
RYB	132, 244, 158
Decimal	14349444
CIELab	92.25, -25.12, 50.87
CIELCh	92, 56.732, 116.286
Yxy	81.2727, 0.3619, 0.4496
Android (android.graphics.Color)	4292539524 (0xFFDAF484)
YUV	223.4580, -45.0888, -4.7867
Hunter-Lab	90.1514, -28.2153, 40.7001

Details

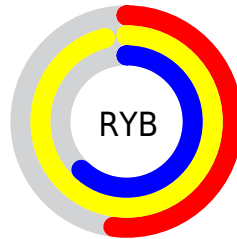
The XYZ color **65.4290, 81.2727, 34.0685** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **38.6840, 30.3054, 89.4032**, and the grayscale version is **70.7677, 74.4531, 81.0794**.

A 20% lighter version of the original color is **85.9696, 96.3679, 61.0835**, and **34.0924, 44.1080, 14.1140** is the 20% darker color. If you saturate the color by 10%, you get **62.2860, 79.8260, 26.2018**, and if you desaturate by 10%, it is **69.0244, 82.9128, 43.9978**.

Distribution



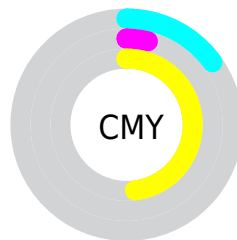
- Red (85%)
- Green (96%)
- Blue (52%)



- Red (52%)
- Yellow (96%)
- Blue (62%)



- Cyan (11%)
- Magenta (0%)
- Yellow (46%)
- Black (4%)





- Cyan (15%)
- Magenta (4%)
- Yellow (48%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 65.4290, 81.2727, 34.0685 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 65.4290, 81.2727, 34.0685 by changing the saturation by 10% instead.


 65.4290, 81.2727,
34.0685

 65.4290, 81.2727,
34.0685


433.8529,
499.2116, 335.2159


 48.0750, 60.7662,
22.6684


 111.7287,
135.1536, 67.1753

 34.0978, 44.0365,
14.1459


 141.4051,
169.2968, 89.7191

 23.1320, 30.6992,
8.0823


 175.9197,
208.7544, 116.8146

 14.8122, 20.3699,
4.0591

215.6378,
253.9108, 148.8803

 8.7732, 12.6642,
1.6578

260.9249,
305.1503, 186.3347

 4.6494, 7.1977,
0.3316

312.1461,

 2.0757, 3.5861,

362.8573, 229.5964

0.0000

369.6670,
427.4163, 279.0839

0.6760, 1.4448,
0.0000

0.0000, 0.2494,
0.0000

65.4290, 81.2727,
34.0685

65.4290, 81.2727,
34.0685

62.2860, 79.8260,
26.2018

69.0244, 82.9128,
43.9978

59.5613, 78.5503,
20.2471


73.0917, 84.7456,
56.1160


57.2251, 77.4366,
16.0414


77.6565, 86.7842,
70.5454

55.2401, 76.4699,
13.3926


82.7404, 89.0373,
87.3977

 53.5607, 75.6318,
12.0626

 88.3639, 91.5132,
106.7775

 52.9318, 75.3139,
11.7472

 90.5449, 92.6191,
107.7128

 91.6424, 93.1849,
107.7641

Harmonies

Analogous

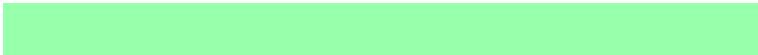
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



79.0866, 81.2727, 29.9227



65.4290, 81.2727, 34.0685



56.1002, 81.2727, 50.8349

Triad

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



65.4290, 81.2727, 34.0685



62.6400, 81.2727, 174.0176



108.9136, 81.2727, 93.8221

Complementary

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



65.4290, 81.2727, 34.0685



38.6840, 30.3054, 89.4032

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.



103.1351, 81.2727, 141.2621



65.4290, 81.2727, 34.0685



75.4367, 81.2727, 195.9117

Square

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



65.4290, 81.2727, 34.0685



54.6386, 81.2727, 129.2548



90.4093, 81.2727, 182.3506



105.3637, 81.2727, 57.3505

Rectangle

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



65.4290, 81.2727, 34.0685



52.9803, 81.2727, 70.7075



90.4093, 81.2727, 182.3506



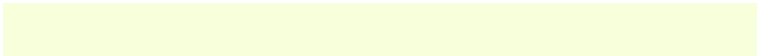
107.9808, 81.2727, 109.0338

Sweetspot

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



65.4310, 81.2763, 34.0702



86.8416, 96.3719, 81.2497



53.4092, 44.7679, 27.6570



18.3389, 20.5170, 16.5816



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.



65.4310, 81.2763, 34.0702



69.0979, 88.3505, 29.5558



51.7732, 74.2355, 33.4310



17.5165, 19.1083, 17.5626



28.9058, 41.0143, 6.3931



2.6296, 3.6507, 0.5661

Inverse Universe

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



38.6840, 30.3054, 89.4032



36.2413, 25.6567, 97.6498



51.8115, 37.0728, 90.0176



15.9412, 16.1123, 20.8124



9.8845, 4.0700, 46.8026



0.9556, 0.4025, 4.1176

Previews

White Background



This preview shows how the XYZ color 65.4290, 81.2727, 34.0685 looks on a white background.

Color Contrast Check

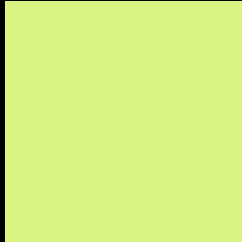
Large Text (above 18pt) WCAG AA × Fail

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 65.4290, 81.2727, 34.0685 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 65.4290, 81.2727, 34.0685

Background



This preview shows how black text looks on a background with the XYZ color 65.4290, 81.2727, 34.0685.

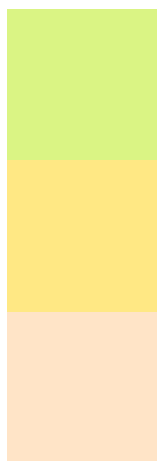


This preview shows how white text looks on a background with the XYZ color 65.4290, 81.2727,

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

65.4290, 81.2727, 34.0685

Protanopia

74.2615, 80.6392, 33.4807

Deuteranopia

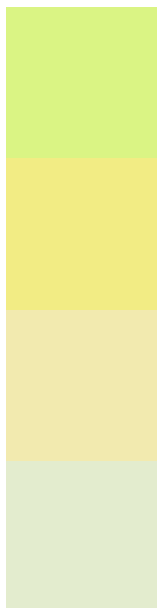
79.2922, 80.8703, 65.4632



Tritanopia

78.9535, 81.1472, 101.1242

Trichromacy



Original Color

65.4290, 81.2727, 34.0685

Protanomaly

70.7783, 80.5341, 33.6440

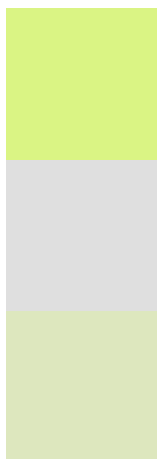
Deuteranomaly

73.7786, 80.8180, 52.2683

Tritanomaly

72.8146, 80.7780, 70.1465

Monochromacy



Original Color

65.4290, 81.2727, 34.0685

Achromatopsia

70.1384, 73.7910, 80.3584

Achromatomaly

67.6890, 76.2417, 59.8637

CSS Examples

Text

The CSS property to change the color of the text to XYZ 65.4290, 81.2727, 34.0685 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(218, 244, 132)` looks like.

```
.text, #text, p{  
    color:rgb(218, 244, 132)  
}
```

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(218, 244, 132) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 244, 132) }
```

Border

The CSS property to change the border of an element to XYZ 65.4290, 81.2727, 34.0685 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(218, 244, 132) }
```


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

```
.border{ border-color:rgb(218, 244, 132) }
```

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

Here you see how a box with a 4 pixel rgb(218, 244, 132) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(218, 244, 132); -webkit-box-  
shadow:4px 4px 4px 4px rgb(218, 244, 132);  
box-shadow:4px 4px 4px 4px rgb(218, 244,  
132) }
```

Background

The CSS property to change the background color of an element to XYZ 65.4290, 81.2727, 34.0685 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 244, 132) }
```

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

```
.background{ background-color: rgb(218,  
244, 132) }
```

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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