

Converting Colors

XYZ(64.1644, 80.5968, 35.0966)

Have a look what the booklet for
XYZ(64.1644, 80.5968, 35.0966)
contains.

XYZ(64.1644, 80.5968, 35.0966)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(64.1644, 80.5968,
35.0966)**

Conversions

Conversions Part 1

Format	Color
Hex	D5F487
RGB	213, 244, 135
RGB Percent	84%, 96%, 53%
CMY	0.1647, 0.0431, 0.4706
CMYK	0.13, 0.00, 0.45, 0.04
HSL	77°, 83%, 74%
HSV	77°, 45%, 96%
XYZ	64.1644, 80.5968, 35.0966
YIQ	222.3050, 16.5130, -40.4710

Conversions

Conversions Part 2

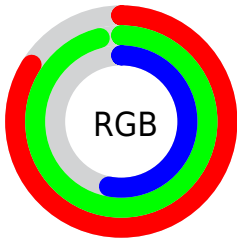
Format	Color
RYB	135, 244, 166
Decimal	14021767
CIELab	91.95, -26.69, 48.99
CIELCh	92, 55.793, 118.580
Yxy	80.5968, 0.3568, 0.4481
Android (android.graphics.Color)	4292211847 (0xFFD5F487)
YUV	222.3050, -43.0414, -8.1605
Hunter-Lab	89.7757, -29.5302, 39.6644

Details

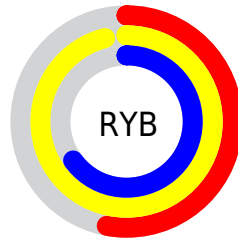
The XYZ color **64.1644, 80.5968, 35.0966** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **40.7223, 31.9688, 89.6170**, and the grayscale version is **69.9353, 73.5774, 80.1257**.

A 20% lighter version of the original color is **86.2943, 96.4977, 62.7929**, and **33.4108, 43.7437, 14.6651** is the 20% darker color. If you saturate the color by 10%, you get **60.6698, 78.9741, 26.9703**, and if you desaturate by 10%, it is **68.1428, 82.4286, 45.3036**.

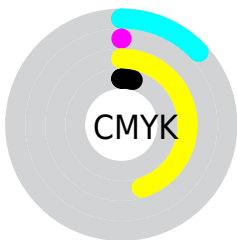
Distribution



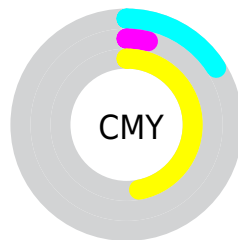
- Red (84%)
- Green (96%)
- Blue (53%)



- Red (53%)
- Yellow (96%)
- Blue (65%)



- Cyan (13%)
- Magenta (0%)
- Yellow (45%)
- Black (4%)




- Cyan (16%)
- Magenta (4%)
- Yellow (47%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 64.1644, 80.5968, 35.0966 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 64.1644, 80.5968, 35.0966 by changing the saturation by 10% instead.


 64.1644, 80.5968,
35.0966

 64.1644, 80.5968,
35.0966


429.3759,
496.9418, 339.9117


 47.0460, 60.2096,
23.4531


 109.9201,
134.2045, 68.7887

 33.2801, 43.5876,
14.7200


 139.2881,
168.1937, 91.6743

 22.5014, 30.3464,
8.4787


 173.4700,
207.4858, 119.1445

 14.3444, 20.1017,
4.3106

212.8312,
252.4650, 151.6177

 8.4439, 12.4690,
1.7972

257.7370,
303.5158, 189.5125

 4.4345, 7.0639,
0.4261

308.5529,

 1.9507, 3.5021,

361.0227, 233.2474

0.0000

365.6440,
425.3699, 283.2410

0.6061, 1.3991,
0.0000

0.0000, 0.2161,
0.0000

64.1644, 80.5968,
35.0966

64.1644, 80.5968,
35.0966

60.6698, 78.9741,
26.9703

68.1428, 82.4286,
45.3036

57.6249, 77.5384,
20.7761


72.6248, 84.4690,
57.7163


54.9997, 76.2802,
16.3537


77.6362, 86.7314,
72.4557


52.7574, 75.1848,
13.5149


83.1989, 89.2247,
89.6327

 50.8532, 74.2340,
12.0291

 89.0089, 91.8273,
107.6409

 49.9415, 73.7724,
11.6073

 91.5118, 93.1176,
107.7580

 91.6425, 93.1849,
107.7642

Harmonies

Analogous

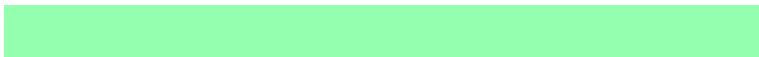
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



77.2899, 80.5968, 30.1433



64.1644, 80.5968, 35.0966



55.4138, 80.5968, 52.7097

Triad

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



64.1644, 80.5968, 35.0966



63.1190, 80.5968, 173.7979



107.5860, 80.5968, 89.7268

Complementary

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



64.1644, 80.5968, 35.0966



40.7223, 31.9688, 89.6170

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.



102.6081, 80.5968, 135.6606



64.1644, 80.5968, 35.0966



75.9239, 80.5968, 192.6526

Square

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



64.1644, 80.5968, 35.0966



54.8652, 80.5968, 131.1812



90.5575, 80.5968, 176.9010



103.4403, 80.5968, 55.1586

Rectangle

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



64.1644, 80.5968, 35.0966



52.6449, 80.5968, 73.0393



90.5575, 80.5968, 176.9010



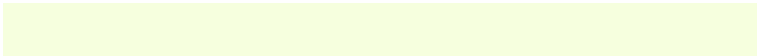
106.9138, 80.5968, 104.3280

Sweetspot

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



64.1664, 80.6004, 35.0983



86.7802, 96.3011, 83.0160



55.2994, 48.2150, 29.3146



18.2964, 20.4874, 16.9276



0.0000, 0.0000, 0.0000



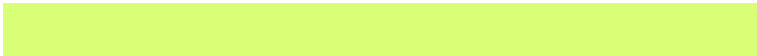
20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



64.1664, 80.6004, 35.0983



67.2575, 87.3846, 30.2443



50.9488, 73.7865, 34.4797



17.4285, 19.0629, 17.5585



27.2949, 40.1838, 6.3177



2.4995, 3.5836, 0.5600

Inverse Universe

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



40.7223, 31.9688, 89.6170



38.2476, 27.1274, 97.8280



54.6274, 39.1372, 90.2677



16.0238, 16.1549, 20.8162



10.3445, 4.3071, 46.8242



1.0059, 0.4284, 4.1199

Previews

White Background



This preview shows how the XYZ color 64.1644, 80.5968, 35.0966 looks on a white background.

Color Contrast Check

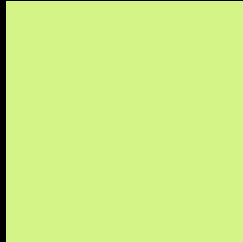
Large Text (above 18pt) WCAG AA × Fail

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 64.1644, 80.5968, 35.0966 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 64.1644, 80.5968, 35.0966

Background



This preview shows how black text looks on a background with the XYZ color 64.1644, 80.5968, 35.0966.

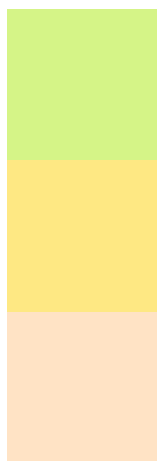


This preview shows how white text looks on a background with the XYZ color 64.1644, 80.5968,

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

64.1644, 80.5968, 35.0966

Protanopia

73.8264, 80.4227, 33.1048

Deuteranopia

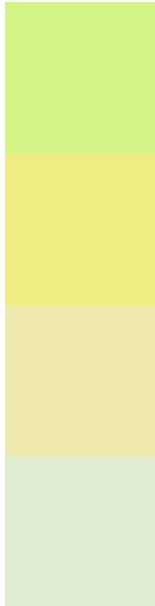
78.7871, 80.2294, 64.1566



Tritanopia

77.3534, 80.3223, 101.0493

Trichromacy



Original Color

64.1644, 80.5968, 35.0966

Protanomaly

69.7569, 80.0076, 33.5962

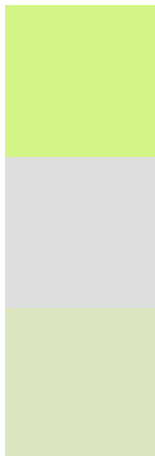
Deuteranomaly

72.7141, 79.8591, 51.6263

Tritanomaly

71.5048, 80.0746, 71.3617

Monochromacy



Original Color

64.1644, 80.5968, 35.0966

Achromatopsia

69.4303, 73.0461, 79.5472

Achromatomaly

66.8045, 75.3714, 59.7424

CSS Examples

Text

The CSS property to change the color of the text to XYZ 64.1644, 80.5968, 35.0966 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(213, 244, 135)` looks like.

```
.text, #text, p{  
    color:rgb(213, 244, 135)  
}
```

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(213, 244, 135) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(213, 244, 135) }
```

Border

The CSS property to change the border of an element to XYZ 64.1644, 80.5968, 35.0966 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(213, 244, 135) }
```


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

```
.border{ border-color:rgb(213, 244, 135) }
```

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

Here you see how a box with a 4 pixel `rgb(213, 244, 135)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(213, 244, 135); -webkit-box-  
shadow:4px 4px 4px 4px rgb(213, 244, 135);  
box-shadow:4px 4px 4px 4px rgb(213, 244,  
135) }
```

Background

The CSS property to change the background color of an element to XYZ 64.1644, 80.5968, 35.0966 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(213, 244, 135) }
```

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

```
.background{ background-color: rgb(213,  
244, 135) }
```

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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