

Converting Colors

XYZ(64.8151, 80.5895, 38.9392)

Have a look what the booklet for
XYZ(64.8151, 80.5895, 38.9392)
contains.

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Color

**XYZ(64.6020, 80.2917,
38.8810)**

Conversions

Conversions Part 1

Format	Color
Hex	D5F391
RGB	213, 243, 145
RGB Percent	84%, 95%, 57%
CMY	0.1647, 0.0470, 0.4314
CMYK	0.12, 0.00, 0.40, 0.05
HSL	78°, 80%, 76%
HSV	78°, 40%, 95%
XYZ	64.6020, 80.2917, 38.8810
YIQ	222.8580, 13.5780, -36.8380

Conversions

Conversions Part 2

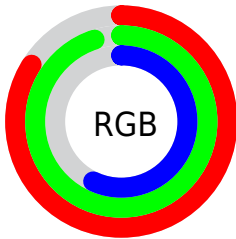
Format	Color
RYB	145, 243, 175
Decimal	14021521
CIELab	91.82, -25.11, 44.00
CIELCh	92, 50.657, 119.711
Yxy	80.2917, 0.3515, 0.4369
Android (android.graphics.Color)	4292211601 (0xFFD5F391)
YUV	222.8580, -38.3840, -8.6455
Hunter-Lab	89.6056, -28.1187, 36.9973

Details

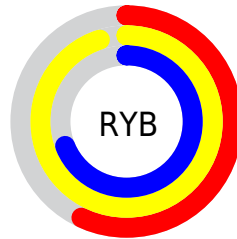
The XYZ color **64.6020, 80.2917, 38.8810** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **43.9855, 35.8380, 89.3978**, and the grayscale version is **70.2974, 73.9584, 80.5407**.

A 20% lighter version of the original color is **87.4253, 96.9501, 68.7490**, and **33.6507, 43.4991, 16.9785** is the 20% darker color. If you saturate the color by 10%, you get **60.8169, 78.5368, 29.9473**, and if you desaturate by 10%, it is **68.8909, 82.2651, 49.9334**.

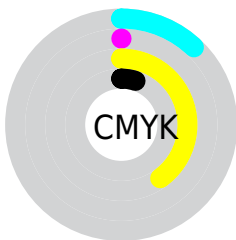
Distribution



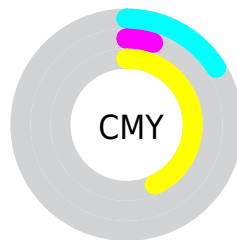
- Red (84%)
- Green (95%)
- Blue (57%)



- Red (57%)
- Yellow (95%)
- Blue (69%)



- Cyan (12%)
- Magenta (0%)
- Yellow (40%)
- Black (5%)





- Cyan (16%)
- Magenta (5%)
- Yellow (43%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 64.6020, 80.2917, 38.8810 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 64.6020, 80.2917, 38.8810 by changing the saturation by 10% instead.


 64.6020, 80.2917,
38.8810


 64.6020, 80.2917,
38.8810


430.9282,
495.9153, 356.7951

 47.4019, 59.9584,
26.3600


 110.5464,
133.7758, 74.6748

 33.5628, 43.3851,
16.8650


 140.0214,
167.6954, 98.7848

 22.7192, 30.1874,
9.9774

174.3187,
206.9125, 127.5948

 14.5059, 19.9809,
5.2785

213.8038,
251.8116, 161.5235

 8.5574, 12.3811,
2.3500

258.8419,
302.7770, 200.9893

 4.5084, 7.0038,
0.7590

309.7984,

 1.9936, 3.4645,

360.1932, 246.4108

0.0000

367.0388,
424.4445, 298.2066

0.6304, 1.3788,
0.0000

0.0000, 0.2010,
0.0000

64.6020, 80.2917,
38.8810

64.6020, 80.2917,
38.8810

60.8169, 78.5368,
29.9473

68.8909, 82.2651,
49.9334

57.5025, 76.9787,
22.9912


73.7025, 84.4564,
63.2232

54.6307, 75.6088,
17.8628


79.0616, 86.8784,
78.8664


52.1672, 74.4131,
14.3884

84.9898, 89.5400,
96.9695

 50.0712, 73.3753,
12.3609

 89.5987, 91.6858,
107.5825

 48.3298, 72.4960,
11.4459

 91.3424, 92.5847,
107.6641

Harmonies

Analogous

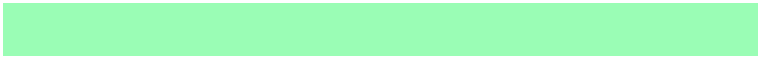
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



76.4407, 80.2917, 33.6597



64.6020, 80.2917, 38.8810



56.7300, 80.2917, 56.1038

Triad

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



64.6020, 80.2917, 38.8810



64.4073, 80.2917, 164.8024



104.0899, 80.2917, 87.7846

Complementary

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



64.6020, 80.2917, 38.8810



43.9855, 35.8380, 89.3978

Split Complementary

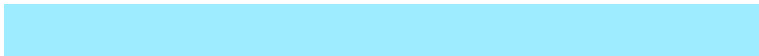
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



99.9565, 80.2917, 128.6534



64.6020, 80.2917, 38.8810



76.1892, 80.2917, 180.1421

Square

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



64.6020, 80.2917, 38.8810



56.6269, 80.2917, 127.8481



89.3642, 80.2917, 165.3526



100.1071, 80.2917, 56.5691

Rectangle

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



64.6020, 80.2917, 38.8810



54.2993, 80.2917, 75.2697



89.3642, 80.2917, 165.3526



103.5976, 80.2917, 100.8211

Sweetspot

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



64.6040, 80.2953, 38.8827



87.1456, 96.4497, 84.8294



57.2894, 51.5285, 33.7157



18.4805, 20.5665, 17.6478



0.0000, 0.0000, 0.0000



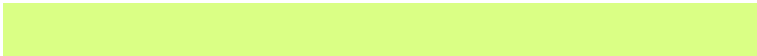
20.3446, 21.4041, 23.3091

Same Dimension

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



64.6040, 80.2953, 38.8827



68.7375, 88.0346, 35.4152



52.5981, 74.1060, 38.3208



17.3921, 19.0442, 17.5568



26.6675, 39.8604, 6.2883



2.4483, 3.5572, 0.5576

Inverse Universe

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



43.9855, 35.8380, 89.3978



42.9767, 32.4402, 98.6042



56.8608, 42.4755, 90.0004



16.0583, 16.1727, 20.8178



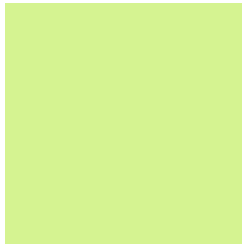
10.5659, 4.4212, 46.8345



1.0290, 0.4403, 4.1210

Previews

White Background



This preview shows how the XYZ color 64.6020, 80.2917, 38.8810 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 64.6020, 80.2917, 38.8810 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

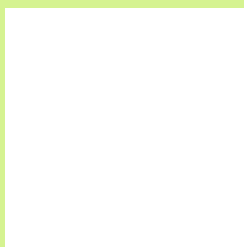
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 64.6020, 80.2917, 38.8810

Background



This preview shows how black text looks on a background with the XYZ color 64.6020, 80.2917, 38.8810.

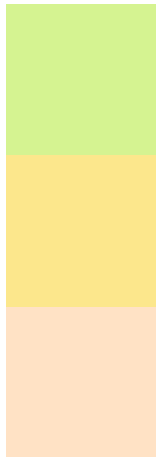


This preview shows how white text looks on a background with the XYZ color 64.6020, 80.2917,

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

64.6020, 80.2917, 38.8810

Protanopia

73.4544, 79.7407, 36.3310

Deuteranopia

78.5144, 79.6839, 64.0657



Tritanopia

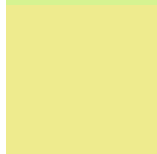
77.3534, 80.3223, 101.0493

Trichromacy



Original Color

64.6020, 80.2917, 38.8810



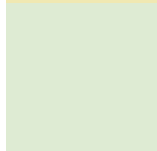
Protanomaly

69.8507, 79.5468, 37.2637



Deuteranomaly

72.8277, 79.4528, 53.6170



Tritanomaly

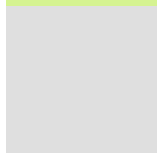
71.5904, 79.6494, 73.2287

Monochromacy



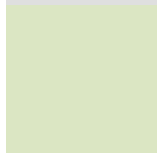
Original Color

64.6020, 80.2917, 38.8810



Achromatopsia

70.1384, 73.7910, 80.3584



Achromatomaly

67.3606, 75.5938, 62.6705

CSS Examples

Text

The CSS property to change the color of the text to XYZ 64.6020, 80.2917, 38.8810 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, 243, 145)` looks like.

```
.text, #text, p{  
    color:rgb(213, 243, 145)  
}
```

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, 243, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(213, 243, 145) }
```

Border

The CSS property to change the border of an element to XYZ 64.6020, 80.2917, 38.8810 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, 243, 145) }
```


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

```
.border{ border-color:rgb(213, 243, 145) }
```

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

Here you see how a box with a 4 pixel rgb(213, 243, 145) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(213, 243, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(213, 243, 145);  
box-shadow:4px 4px 4px 4px rgb(213, 243,  
145) }
```

Background

The CSS property to change the background color of an element to XYZ 64.6020, 80.2917, 38.8810 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(213, 243, 145) }
```

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

```
.background{ background-color: rgb(213,  
243, 145) }
```

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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