

Converting Colors

XYZ(64.5690, 81.0389, 40.8102)

Have a look what the booklet for
XYZ(64.5690, 81.0389, 40.8102)
contains.

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Color

**XYZ(64.6556, 81.1764,
40.6947)**

Conversions

Conversions Part 1

Format	Color
Hex	D2F595
RGB	210, 245, 149
RGB Percent	82%, 96%, 58%
CMY	0.1765, 0.0392, 0.4157
CMYK	0.14, 0.00, 0.39, 0.04
HSL	82°, 83%, 77%
HSV	82°, 39%, 96%
XYZ	64.6556, 81.1764, 40.6947
YIQ	223.5910, 9.9560, -37.2760

Conversions

Conversions Part 2

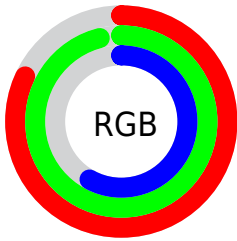
Format	Color
RYB	149, 245, 184
Decimal	13825429
CIELab	92.21, -26.69, 42.51
CIELCh	92, 50.188, 122.122
Yxy	81.1764, 0.3466, 0.4352
Android (android.graphics.Color)	4292015509 (0xFFD2F595)
YUV	223.5910, -36.7734, -11.9193
Hunter-Lab	90.0979, -29.5772, 36.2889

Details

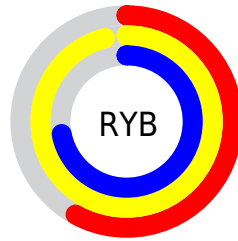
The XYZ color **64.6556, 81.1764, 40.6947** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **46.9993, 38.2801, 91.3024**, and the grayscale version is **70.8105, 74.4982, 81.1285**.

A 20% lighter version of the original color is **87.8991, 97.1396, 71.2438**, and **33.6817, 44.1283, 18.0517** is the 20% darker color. If you saturate the color by 10%, you get **60.4294, 79.2030, 31.3385**, and if you desaturate by 10%, it is **69.4393, 83.3948, 52.2280**.

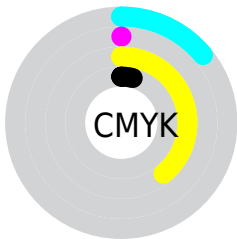
Distribution



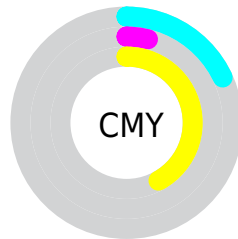
- Red (82%)
- Green (96%)
- Blue (58%)



- Red (58%)
- Yellow (96%)
- Blue (72%)



- Cyan (14%)
- Magenta (0%)
- Yellow (39%)
- Black (4%)





- Cyan (18%)
- Magenta (4%)
- Yellow (42%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 64.6556, 81.1764, 40.6947 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 64.6556, 81.1764, 40.6947 by changing the saturation by 10% instead.

 64.6556, 81.1764,
40.6947


 64.6556, 81.1764,
40.6947


431.1181,
498.8886, 364.6818

 47.4455, 60.6869,
27.7627


 110.6230,
135.0184, 77.4688

 33.5974, 43.9725,
17.9094


 140.1111,
169.1397, 102.1481

 22.7459, 30.6489,
10.7162


174.4226,
208.5738, 131.5801

 14.5257, 20.3317,
5.7646

213.9228,
253.7049, 166.1836

 8.5713, 12.6364,
2.6360

258.9771,
304.9176, 206.3769

 4.5175, 7.1786,
0.9109

309.9508,

 1.9989, 3.5741,

362.5962, 252.5787

0.0000

367.2094,
427.1250, 305.2075

■ 0.6333, 1.4383,
0.0000

■ 0.0000, 0.2447,
0.0000

■ 64.6556, 81.1764,
40.6947

■ 64.6556, 81.1764,
40.6947

■ 60.4294, 79.2030,
31.3385

■ 69.4393, 83.3948,
52.2280

■ 56.7264, 77.4523,
24.0170

■ 74.8005, 85.8580,
66.0583

■ 53.5173, 75.9149,
18.5793

■ 80.7654, 88.5796,
82.3031

■ 50.7666, 74.5765,
14.8511

■ 87.3565, 91.5689,
101.0702

■ 48.4325, 73.4201,
12.6257

■ 91.8222, 93.7254,
107.8590

■ 46.4527, 72.4204,
11.5876

■ 91.9441, 93.7883,
107.8647

■ 46.3006, 72.3433,
11.5234

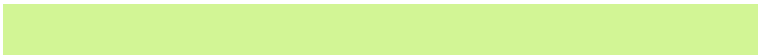
Harmonies

Analogous

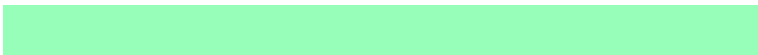
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



76.2371, 81.1764, 34.5511



64.6556, 81.1764, 40.6947



57.1675, 81.1764, 59.0538

Triad

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



64.6556, 81.1764, 40.6947



66.0860, 81.1764, 167.6205



104.8172, 81.1764, 85.7720

Complementary

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



64.6556, 81.1764, 40.6947



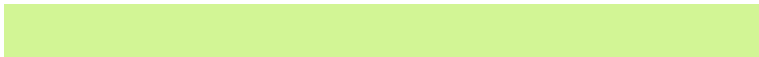
46.9993, 38.2801, 91.3024

Split Complementary

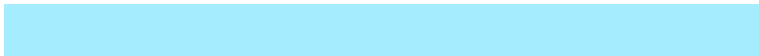
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



101.3321, 81.1764, 126.1113



64.6556, 81.1764, 40.6947



78.0818, 81.1764, 180.5471

Square

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



64.6556, 81.1764, 40.6947



57.9260, 81.1764, 131.9992



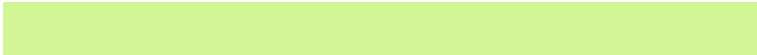
91.1713, 81.1764, 163.6058



100.2299, 81.1764, 55.6257

Rectangle

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



64.6556, 81.1764, 40.6947



55.0206, 81.1764, 78.9669



91.1713, 81.1764, 163.6058



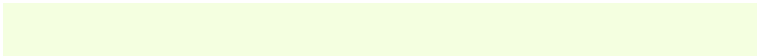
104.5501, 81.1764, 98.5286

Sweetspot

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



64.6576, 81.1800, 40.6964



86.5224, 96.1285, 84.8002



59.9351, 55.2873, 35.9475



18.3335, 20.4907, 17.6410



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

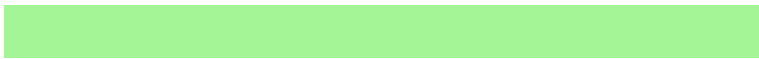
The Same Dimension uses a secret algorithm to generate beautiful new colors.



64.6576, 81.1800, 40.6964



67.0935, 87.1666, 36.2657



53.2661, 75.3075, 40.1633



17.2946, 18.9939, 17.5522



25.0991, 39.0518, 6.2149



2.3185, 3.4903, 0.5515

Inverse Universe

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



46.9993, 38.2801, 91.3024



45.2908, 34.1558, 98.8134



60.0579, 45.0120, 91.9136



16.1517, 16.2208, 20.8222



11.2541, 4.7760, 46.8667



1.0979, 0.4758, 4.1242

Previews

White Background



This preview shows how the XYZ color 64.6556, 81.1764, 40.6947 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 64.6556, 81.1764, 40.6947 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

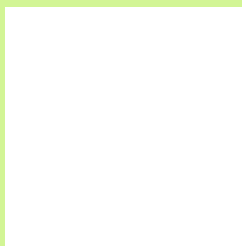
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 64.6556, 81.1764, 40.6947

Background



This preview shows how black text looks on a background with the XYZ color 64.6556, 81.1764, 40.6947.

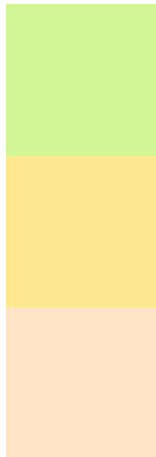


This preview shows how white text looks on a background with the XYZ color 64.6556, 81.1764,

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

64.6556, 81.1764, 40.6947

Protanopia

74.3987, 80.6095, 38.0235

Deuteranopia

79.4087, 80.9169, 66.0768



Tritanopia

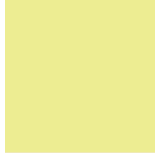
77.2920, 81.0902, 102.8450

Trichromacy



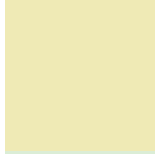
Original Color

64.6556, 81.1764, 40.6947



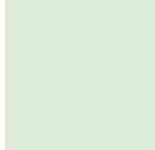
Protanomaly

70.3975, 80.6482, 39.0504



Deuteranomaly

73.3599, 80.5326, 55.3939



Tritanomaly

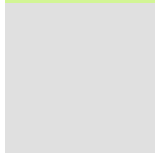
71.6352, 80.4835, 75.3776

Monochromacy



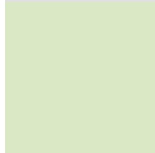
Original Color

64.6556, 81.1764, 40.6947



Achromatopsia

70.8507, 74.5404, 81.1745



Achromatomaly

68.1481, 76.8045, 64.0563

CSS Examples

Text

The CSS property to change the color of the text to XYZ 64.6556, 81.1764, 40.6947 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(210, 245, 149)` looks like.

```
.text, #text, p{  
    color:rgb(210, 245, 149)  
}
```

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(210, 245, 149) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(210, 245, 149) }
```

Border

The CSS property to change the border of an element to XYZ 64.6556, 81.1764, 40.6947 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(210, 245, 149) }
```


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

```
.border{ border-color:rgb(210, 245, 149) }
```

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

Here you see how a box with a 4 pixel `rgb(210, 245, 149)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(210, 245, 149); -webkit-box-  
shadow:4px 4px 4px 4px rgb(210, 245, 149);  
box-shadow:4px 4px 4px 4px rgb(210, 245,  
149) }
```

Background

The CSS property to change the background color of an element to XYZ 64.6556, 81.1764, 40.6947 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(210, 245, 149) }
```

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

```
.background{ background-color: rgb(210,  
245, 149) }
```

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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