

Converting Colors

XYZ(63.3166, 80.3499, 26.5837)

Have a look what the booklet for
XYZ(63.3166, 80.3499, 26.5837)
contains.

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Color

**XYZ(63.4299, 80.4044,
26.6445)**

Conversions

Conversions Part 1

Format	Color
Hex	D8F46D
RGB	216, 244, 109
RGB Percent	85%, 96%, 43%
CMY	0.1529, 0.0431, 0.5725
CMYK	0.11, 0.00, 0.55, 0.04
HSL	72°, 86%, 69%
HSV	72°, 55%, 96%
XYZ	63.4299, 80.4044, 26.6445
YIQ	220.2380, 26.6470, -47.9210

Conversions

Conversions Part 2

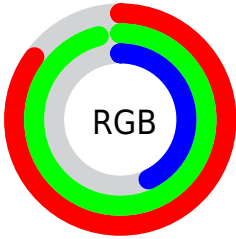
Format	Color
RYB	109, 244, 137
Decimal	14218349
CIELab	91.87, -28.00, 60.88
CIELCh	92, 67.009, 114.699
Yxy	80.4044, 0.3721, 0.4716
Android (android.graphics.Color)	4292408429 (0xFFD8F46D)
YUV	220.2380, -54.8403, -3.7167
Hunter-Lab	89.6685, -30.6522, 45.1503

Details

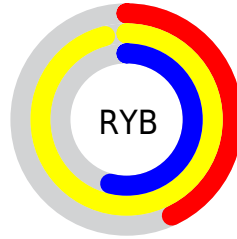
The XYZ color **63.4299, 80.4044, 26.6445** is a light color, and the websafe version is hex **CCFF66**. A complement of this color would be **32.1173, 22.7893, 88.2987**, and the grayscale version is **68.5538, 72.1239, 78.5429**.

A 20% lighter version of the original color is **83.7008, 95.4603, 49.1361**, and **32.9471, 43.6037, 10.1699** is the 20% darker color. If you saturate the color by 10%, you get **60.8226, 79.1942, 20.5923**, and if you desaturate by 10%, it is **66.4517, 81.7914, 34.6221**.

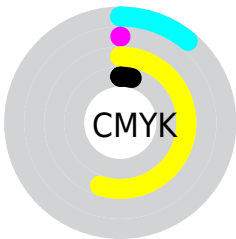
Distribution



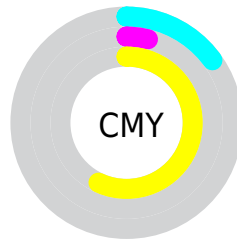
- Red (85%)
- Green (96%)
- Blue (43%)



- Red (43%)
- Yellow (96%)
- Blue (54%)



- Cyan (11%)
- Magenta (0%)
- Yellow (55%)
- Black (4%)





- Cyan (15%)
- Magenta (4%)
- Yellow (57%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 63.4299, 80.4044, 26.6445 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 63.4299, 80.4044, 26.6445 by changing the saturation by 10% instead.


 63.4299, 80.4044,
26.6445

 63.4299, 80.4044,
26.6445


426.7629,
496.2946, 299.6372


 46.4490, 60.0512,
17.0763


 108.8678,
133.9341, 55.3097

 32.8064, 43.4599,
10.1264


 138.0556,
167.8795, 75.2437

 22.1367, 30.2461,
5.3761


 172.0430,
207.1243, 99.4702

 14.0746, 20.0255,
2.4070

211.1955,
252.0530, 128.4076

 8.2546, 12.4136,
0.7903

255.8784,
303.0500, 162.4745

 4.3115, 7.0260,
0.0000

306.4570,

 1.8798, 3.4784,

360.4997, 202.0893

0.0000

363.2967,
424.7864, 247.6707

■ 0.5651, 1.3863,
0.0000

■ 0.0000, 0.2066,
0.0000

■ 63.4299, 80.4044,
26.6445

■ 63.4299, 80.4044,
26.6445

■ 60.8226, 79.1942,
20.5923

■ 66.4517, 81.7914,
34.6221

■ 58.5926, 78.1374,
16.2970


■ 69.9100, 83.3556,
44.6644


■ 56.7053, 77.2228,
13.5701

■ 73.8321, 85.1106,
56.9041


■ 55.1157, 76.4326,
12.1770

■ 78.2411, 87.0659,
71.4611

 54.4435, 76.0933,
11.8180

 83.1585, 89.2301,
88.4466

 88.5388, 91.5849,
107.6189

 90.3423, 92.5147,
107.7033

 91.6425, 93.1849,
107.7642

Harmonies

Analogous

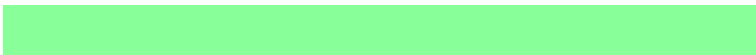
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



79.5157, 80.4044, 23.0823



63.4299, 80.4044, 26.6445



52.5025, 80.4044, 43.4571

Triad

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



63.4299, 80.4044, 26.6445



58.8734, 80.4044, 189.7154



114.2711, 80.4044, 96.5844

Complementary

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



63.4299, 80.4044, 26.6445



32.1173, 22.7893, 88.2987

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.



106.6854, 80.4044, 154.4093



63.4299, 80.4044, 26.6445



73.4095, 80.4044, 219.6234

Square

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



63.4299, 80.4044, 26.6445



50.1612, 80.4044, 133.3405



91.0770, 80.4044, 204.7369



110.5444, 80.4044, 53.6594

Rectangle

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



63.4299, 80.4044, 26.6445



48.7757, 80.4044, 64.8730



91.0770, 80.4044, 204.7369



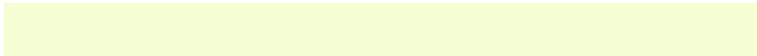
112.9295, 80.4044, 114.9696

Sweetspot

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



63.4318, 80.4080, 26.6462



85.6081, 95.8499, 76.0450



48.8756, 37.9479, 19.2178



18.1082, 20.4205, 15.5575



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.



63.4318, 80.4080, 26.6462



67.0093, 87.4323, 22.2971



47.5997, 72.2463, 25.9053



17.5584, 19.1299, 17.5646



29.7190, 41.4335, 6.4311



2.6946, 3.6842, 0.5691

Inverse Universe

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



32.1173, 22.7893, 88.2987



29.4054, 18.0974, 96.5510



46.5655, 30.2377, 88.9748



15.9023, 16.0923, 20.8105



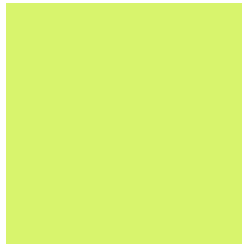
9.7011, 3.9754, 46.7941



0.9343, 0.3915, 4.1166

Previews

White Background



This preview shows how the XYZ color 63.4299, 80.4044, 26.6445 looks on a white background.

Color Contrast Check

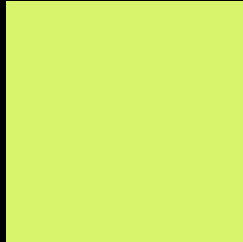
Large Text (above 18pt) WCAG AA × Fail

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 63.4299, 80.4044, 26.6445 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 63.4299, 80.4044, 26.6445

Background



This preview shows how black text looks on a background with the XYZ color 63.4299, 80.4044, 26.6445.

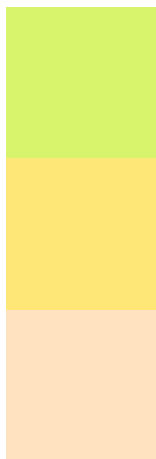


This preview shows how white text looks on a background with the XYZ color 63.4299, 80.4044,

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

63.4299, 80.4044, 26.6445

Protanopia

73.1457, 79.7437, 28.9897

Deuteranopia

78.3347, 80.0484, 61.7743



Tritanopia

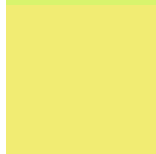
78.0865, 79.9098, 99.3042

Trichromacy



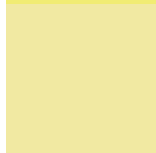
Original Color

63.4299, 80.4044, 26.6445



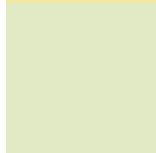
Protanomaly

69.3656, 79.9295, 27.9916



Deuteranomaly

71.9361, 79.5872, 45.7529



Tritanomaly

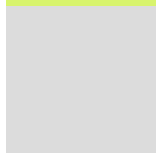
70.8649, 79.0456, 64.3457

Monochromacy



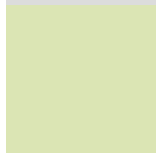
Original Color

63.4299, 80.4044, 26.6445



Achromatopsia

68.0267, 71.5694, 77.9390



Achromatomaly

65.4709, 74.3940, 54.0888

CSS Examples

Text

The CSS property to change the color of the text to XYZ 63.4299, 80.4044, 26.6445 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(216, 244, 109)` looks like.

```
.text, #text, p{  
    color:rgb(216, 244, 109)  
}
```

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(216, 244, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 244, 109) }
```

Border

The CSS property to change the border of an element to XYZ 63.4299, 80.4044, 26.6445 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(216, 244, 109) }
```


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

```
.border{ border-color:rgb(216, 244, 109) }
```

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

Here you see how a box with a 4 pixel `rgb(216, 244, 109)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 244, 109); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 244, 109);  
box-shadow:4px 4px 4px 4px rgb(216, 244,  
109) }
```

Background

The CSS property to change the background color of an element to XYZ 63.4299, 80.4044, 26.6445 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 244, 109) }
```

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

```
.background{ background-color: rgb(216,  
244, 109) }
```

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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