

Converting Colors

XYZ(66.4056, 80.0718, 41.1564)

Have a look what the booklet for
XYZ(66.4056, 80.0718, 41.1564)
contains.

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Color

**XYZ(66.5564, 80.3606,
41.2814)**

Conversions

Conversions Part 1

Format	Color
Hex	DCF197
RGB	220, 241, 151
RGB Percent	86%, 95%, 59%
CMY	0.1373, 0.0549, 0.4078
CMYK	0.09, 0.00, 0.37, 0.05
HSL	74°, 76%, 77%
HSV	74°, 37%, 95%
XYZ	66.5564, 80.3606, 41.2814
YIQ	224.4610, 16.3740, -32.4420

Conversions

Conversions Part 2

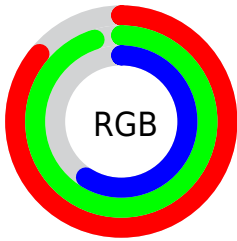
Format	Color
RYB	151, 241, 172
Decimal	14479767
CIELab	91.85, -20.85, 41.19
CIELCh	92, 46.166, 116.850
Yxy	80.3606, 0.3537, 0.4270
Android (android.graphics.Color)	4292669847 (0xFFDCF197)
YUV	224.4610, -36.2163, -3.9123
Hunter-Lab	89.6441, -24.3495, 35.4476

Details

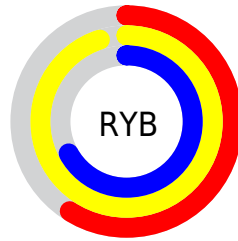
The XYZ color **66.5564, 80.3606, 41.2814** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **43.9602, 37.2569, 88.0980**, and the grayscale version is **71.4262, 75.1460, 81.8340**.

A 20% lighter version of the original color is **88.1406, 97.2362, 72.5155**, and **34.9109, 43.4913, 18.3590** is the 20% darker color. If you saturate the color by 10%, you get **63.1226, 78.7965, 31.9275**, and if you desaturate by 10%, it is **70.4516, 82.1214, 52.7484**.

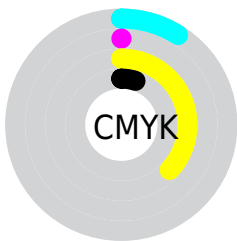
Distribution



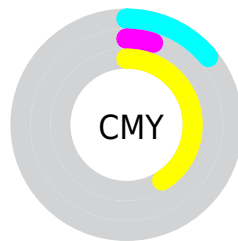
- Red (86%)
- Green (95%)
- Blue (59%)



- Red (59%)
- Yellow (95%)
- Blue (67%)



- Cyan (9%)
- Magenta (0%)
- Yellow (37%)
- Black (5%)



- Cyan (14%)
- Magenta (5%)
- Yellow (41%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 66.5564, 80.3606, 41.2814 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 66.5564, 80.3606, 41.2814 by changing the saturation by 10% instead.

66.5564, 80.3606,
41.2814

66.5564, 80.3606,
41.2814

437.8215,
496.1472, 367.2068

48.9936, 60.0151,
28.2177

113.3379,
133.8726, 78.3692

34.8289, 43.4308,
18.2493

143.2872,
167.8079, 103.2303

23.6970, 30.2233,
10.9579

178.0961,
207.0420, 132.8610

15.2325, 20.0081,
5.9247

218.1299,
251.9592, 167.6798

9.0701, 12.4010,
2.7313

263.7540,
302.9439, 208.1053

4.8444, 7.0174,
0.9591

315.3337,

2.1901, 3.4730,

360.3806, 254.5559

0.0000

373.2344,
424.6536, 307.4502

0.7375, 1.3834,
0.0000

0.0000, 0.2044,
0.0000

66.5564, 80.3606,
41.2814

66.5564, 80.3606,
41.2814

63.1226, 78.7965,
31.9275

70.4516, 82.1214,
52.7484

60.1192, 77.4083,
24.5525


74.8252, 84.0776,
66.4419


57.5203, 76.1884,
19.0144


79.7006, 86.2412,
82.4729


55.2944, 75.1241,
15.1505


85.0977, 88.6202,
100.9440


 53.4047, 74.2007,
12.7695

 88.2625, 90.1132,
107.3494

 51.8029, 73.3987,
11.6208

 90.2883, 91.1576,
107.4442

 51.4062, 73.1983,
11.4193

 90.7470, 91.3941,
107.4657

Harmonies

Analogous

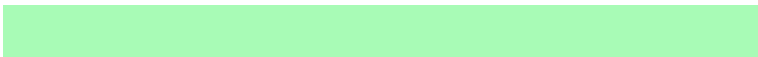
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



77.6377, 80.3606, 37.2237



66.5564, 80.3606, 41.2814



58.8679, 80.3606, 56.4798

Triad

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



66.5564, 80.3606, 41.2814



64.5998, 80.3606, 154.1930



101.4302, 80.3606, 91.1296

Complementary

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



66.5564, 80.3606, 41.2814



43.9602, 37.2569, 88.0980

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.



97.0611, 80.3606, 128.1956



66.5564, 80.3606, 41.2814



75.1366, 80.3606, 170.0391

Square

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



66.5564, 80.3606, 41.2814



57.8229, 80.3606, 120.3588



87.1263, 80.3606, 159.4775



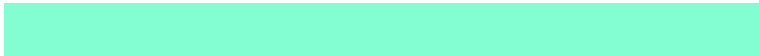
98.5357, 80.3606, 61.2409

Rectangle

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



66.5564, 80.3606, 41.2814



56.2945, 80.3606, 73.4936



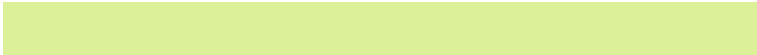
87.1263, 80.3606, 159.4775



100.7523, 80.3606, 103.1795

Sweetspot

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



66.5584, 80.3642, 41.2831



88.4906, 97.1027, 86.7156



56.6169, 50.4426, 36.0316



18.7783, 20.7120, 18.0254



0.0000, 0.0000, 0.0000



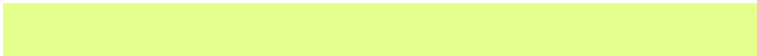
20.3446, 21.4041, 23.3091

Same Dimension

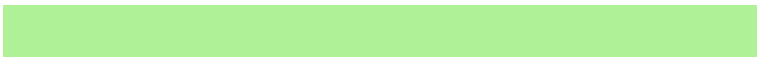
The Same Dimension uses a secret algorithm to generate beautiful new colors.



66.5584, 80.3642, 41.2831



72.5764, 89.9506, 38.4447



54.7231, 74.2629, 40.7292



16.7413, 18.2623, 16.7923



27.9995, 39.7558, 6.1979



2.4156, 3.3518, 0.5196

Inverse Universe

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



43.9602, 37.2569, 88.0980



43.4076, 34.2682, 98.9343



55.5618, 43.2378, 88.6410



15.2425, 15.4067, 19.8920



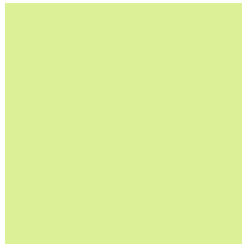
9.5998, 3.9543, 45.3852



0.8836, 0.3728, 3.7796

Previews

White Background



This preview shows how the XYZ color 66.5564, 80.3606, 41.2814 looks on a white background.

Color Contrast Check

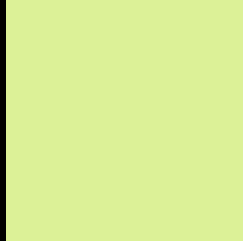
Large Text (above 18pt) WCAG AA × Fail

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 66.5564, 80.3606, 41.2814 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

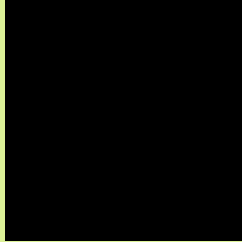
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 66.5564, 80.3606, 41.2814

Background



This preview shows how black text looks on a background with the XYZ color 66.5564, 80.3606, 41.2814.

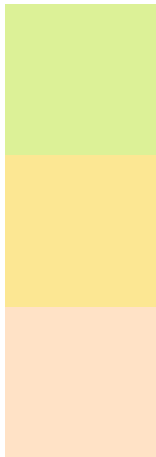


This preview shows how white text looks on a background with the XYZ color 66.5564, 80.3606,

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

66.5564, 80.3606, 41.2814

Protanopia

73.9873, 79.9539, 39.1369

Deuteranopia

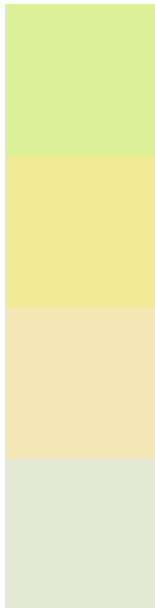
78.6294, 79.7299, 64.6713



Tritanopia

78.0865, 79.9098, 99.3042

Trichromacy



Original Color

66.5564, 80.3606, 41.2814

Protanomaly

70.9888, 80.0800, 39.7325

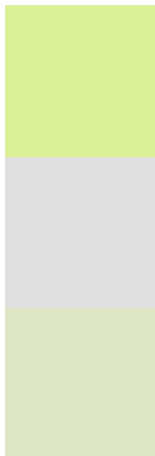
Deuteranomaly

73.5344, 79.3653, 55.1594

Tritanomaly

73.0175, 79.5253, 73.7888

Monochromacy



Original Color

66.5564, 80.3606, 41.2814

Achromatopsia

70.8507, 74.5404, 81.1745

Achromatomaly

68.8063, 76.3128, 63.9267

CSS Examples

Text

The CSS property to change the color of the text to XYZ 66.5564, 80.3606, 41.2814 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(220, 241, 151)` looks like.

```
.text, #text, p{  
    color:rgb(220, 241, 151)  
}
```

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(220, 241, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 241, 151) }
```

Border

The CSS property to change the border of an element to XYZ 66.5564, 80.3606, 41.2814 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(220, 241, 151) }
```


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

```
.border{ border-color:rgb(220, 241, 151) }
```

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

Here you see how a box with a 4 pixel `rgb(220, 241, 151)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 241, 151); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 241, 151);  
box-shadow:4px 4px 4px 4px rgb(220, 241,  
151) }
```

Background

The CSS property to change the background color of an element to XYZ 66.5564, 80.3606, 41.2814 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 241, 151) }
```

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

```
.background{ background-color: rgb(220,  
241, 151) }
```

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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