

Converting Colors

XYZ(68.0737, 81.7869, 45.2633)

Have a look what the booklet for
XYZ(68.0737, 81.7869, 45.2633)
contains.

XYZ(68.2145, 82.0114, 45.4922)	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(68.2145, 82.0114,
45.4922)**

Conversions

Conversions Part 1

Format	Color
Hex	DDF3A0
RGB	221, 243, 160
RGB Percent	87%, 95%, 63%
CMY	0.1333, 0.0470, 0.3725
CMYK	0.09, 0.00, 0.34, 0.05
HSL	76°, 78%, 79%
HSV	76°, 34%, 95%
XYZ	68.2145, 82.0114, 45.4922
YIQ	226.9600, 13.5310, -30.4770

Conversions

Conversions Part 2

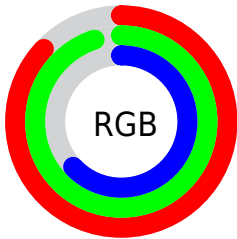
Format	Color
RYB	160, 243, 182
Decimal	14545824
CIELab	92.58, -20.36, 37.69
CIELCh	93, 42.836, 118.372
Yxy	82.0114, 0.3485, 0.4190
Android (android.graphics.Color)	4292735904 (0xFFDDDF3A0)
YUV	226.9600, -33.0113, -5.2269
Hunter-Lab	90.5601, -24.0250, 33.6082

Details

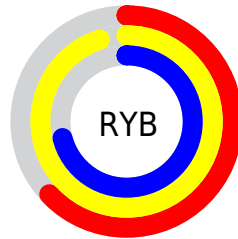
The XYZ color **68.2145, 82.0114, 45.4922** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **48.0432, 41.5600, 90.2884**, and the grayscale version is **73.2120, 77.0247, 83.8799**.

A 20% lighter version of the original color is **89.2657, 97.6863, 78.4405**, and **35.9412, 44.6015, 20.6246** is the 20% darker color. If you saturate the color by 10%, you get **64.3697, 80.2540, 35.2796**, and if you desaturate by 10%, it is **72.5543, 83.9811, 57.9001**.

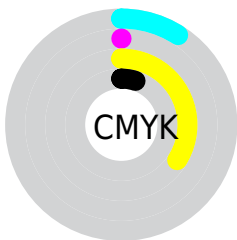
Distribution



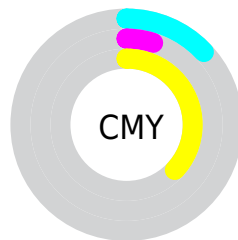
- Red (87%)
- Green (95%)
- Blue (63%)



- Red (63%)
- Yellow (95%)
- Blue (71%)



- Cyan (9%)
- Magenta (0%)
- Yellow (34%)
- Black (5%)



- Cyan (13%)
- Magenta (5%)
- Yellow (37%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 68.2145, 82.0114, 45.4922 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 68.2145, 82.0114, 45.4922 by changing the saturation by 10% instead.

68.2145, 82.0114,
45.4922

68.2145, 82.0114,
45.4922

443.6204,
501.6858, 384.9814

50.3466, 61.3749,
31.4995

115.6992,
136.1900, 84.7848

35.9078, 44.5278,
20.7179

146.0466,
170.5009, 110.9218

24.5328, 31.0857,
12.7287

181.2846,
210.1387, 141.9439

15.8562, 20.6641,
7.1135

221.7786,
255.4879, 178.2698

9.5126, 12.8787,
3.4536

267.8937,
306.9328, 220.3180

5.1368, 7.3451,
1.3307

319.9955,

2.3633, 3.6788,

364.8578, 268.5069

0.0867

378.4493,
429.6474, 323.2552

0.8268, 1.4956,
0.0000

0.0000, 0.2856,
0.0000

68.2145, 82.0114,
45.4922

68.2145, 82.0114,
45.4922

64.3697, 80.2540,
35.2796

72.5543, 83.9811,
57.9001

60.9885, 78.6878,
27.1289

77.4060, 86.1616,
72.6158

58.0453, 77.3054,
20.9005

82.7932, 88.5651,
89.7502

55.5091, 76.0941,
16.4354

88.3792, 91.0571,
107.5254

■ 53.3439, 75.0395,
13.5488

■ 90.6879, 92.2473,
107.6335

■ 51.5059, 74.1241,
12.0153

■ 91.3424, 92.5847,
107.6641

■ 50.5459, 73.6385,
11.5496

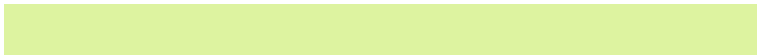
Harmonies

Analogous

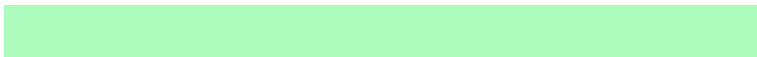
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



78.5589, 82.0114, 40.9699



68.2145, 82.0114, 45.4922



61.1084, 82.0114, 60.8551

Triad

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



68.2145, 82.0114, 45.4922



67.2557, 82.0114, 152.3187



101.3610, 82.0114, 91.0489

Complementary

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



68.2145, 82.0114, 45.4922



48.0432, 41.5600, 90.2884

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.



97.6308, 82.0114, 125.4518



68.2145, 82.0114, 45.4922



77.3430, 82.0114, 165.6519

Square

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



68.2145, 82.0114, 45.4922



60.5930, 82.0114, 121.7070



88.5690, 82.0114, 154.8178



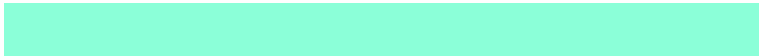
98.3389, 82.0114, 63.2204

Rectangle

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



68.2145, 82.0114, 45.4922



58.8086, 82.0114, 77.5030



88.5690, 82.0114, 154.8178



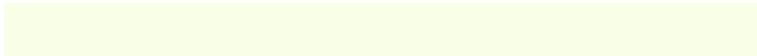
100.8489, 82.0114, 102.2294

Sweetspot

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



68.2166, 82.0150, 45.4939



88.7691, 97.2054, 88.5792



59.7833, 54.5414, 40.6355



18.8219, 20.7263, 18.3962



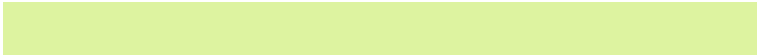
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

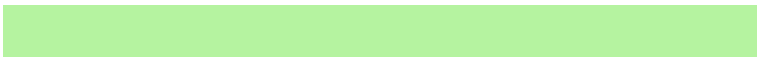
The Same Dimension uses a secret algorithm to generate beautiful new colors.



68.2166, 82.0150, 45.4939



73.0688, 90.1133, 42.5870



57.3960, 76.4368, 44.9876



17.4610, 19.0797, 17.5600



27.8740, 40.4824, 6.3448



2.5465, 3.6078, 0.5622

Inverse Universe

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



48.0432, 41.5600, 90.2884



47.4270, 38.6615, 99.5705



58.9522, 47.1838, 90.7990



15.9932, 16.1391, 20.8148



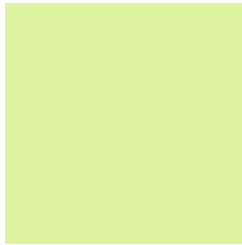
10.1626, 4.2133, 46.8156



0.9864, 0.4184, 4.1190

Previews

White Background



This preview shows how the XYZ color 68.2145, 82.0114, 45.4922 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 68.2145, 82.0114, 45.4922 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

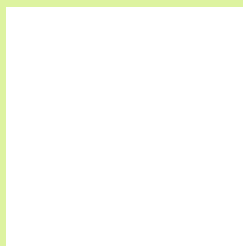
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 68.2145, 82.0114, 45.4922

Background



This preview shows how black text looks on a background with the XYZ color 68.2145, 82.0114, 45.4922.

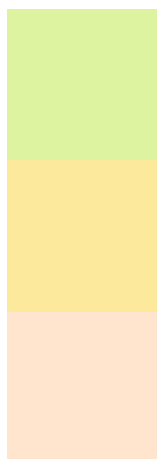


This preview shows how white text looks on a background with the XYZ color 68.2145, 82.0114,

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

68.2145, 82.0114, 45.4922

Protanopia

75.6477, 81.5608, 43.2082

Deuteranopia

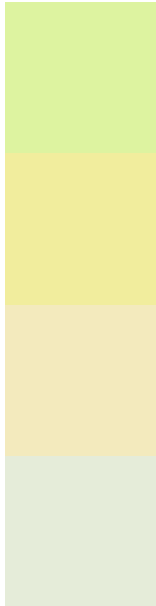
80.2788, 81.7064, 69.2974



Tritanopia

79.7162, 81.9390, 102.0568

Trichromacy



Original Color

68.2145, 82.0114, 45.4922

Protanomaly

72.6456, 81.7035, 43.8398

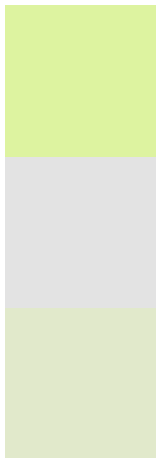
Deuteranomaly

75.5703, 81.5744, 59.9066

Tritanomaly

74.8329, 81.6587, 77.4632

Monochromacy



Original Color

68.2145, 82.0114, 45.4922

Achromatopsia

73.0128, 76.8151, 83.6517

Achromatomaly

70.9697, 78.5972, 67.9302

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.2145, 82.0114, 45.4922 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(221, 243, 160)` looks like.

```
.text, #text, p{  
    color:rgb(221, 243, 160)  
}
```

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(221, 243, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 243, 160) }
```

Border

The CSS property to change the border of an element to XYZ 68.2145, 82.0114, 45.4922 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(221, 243, 160) }
```


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

```
.border{ border-color:rgb(221, 243, 160) }
```

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

Here you see how a box with a 4 pixel `rgb(221, 243, 160)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 243, 160); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 243, 160);  
box-shadow:4px 4px 4px 4px rgb(221, 243,  
160) }
```

Background

The CSS property to change the background color of an element to XYZ 68.2145, 82.0114, 45.4922 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 243, 160) }
```

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

```
.background{ background-color: rgb(221,  
243, 160) }
```

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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