

Converting Colors

XYZ(63.1386, 78.4833, 36.0119)

Have a look what the booklet for
XYZ(63.1386, 78.4833, 36.0119)
contains.

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Color

**XYZ(62.8989, 78.1522,
35.8145)**

Conversions

Conversions Part 1

Format	Color
Hex	D4F08A
RGB	212, 240, 138
RGB Percent	83%, 94%, 54%
CMY	0.1686, 0.0588, 0.4588
CMYK	0.12, 0.00, 0.43, 0.06
HSL	76°, 77%, 74%
HSV	76°, 43%, 94%
XYZ	62.8989, 78.1522, 35.8145
YIQ	220.0000, 16.0540, -37.6580

Conversions

Conversions Part 2

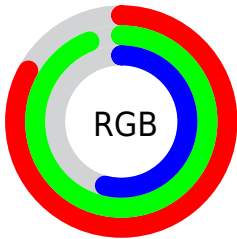
Format	Color
RYB	138, 240, 166
Decimal	13955210
CIELab	90.85, -24.84, 46.16
CIElCh	91, 52.423, 118.284
Yxy	78.1522, 0.3556, 0.4419
Android (android.graphics.Color)	4292145290 (0xFFD4F08A)
YUV	220.0000, -40.4260, -7.0160
Hunter-Lab	88.4037, -27.7045, 37.8628

Details

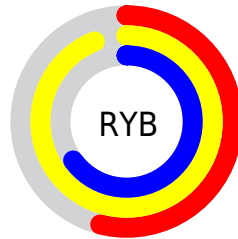
The XYZ color **62.8989, 78.1522, 35.8145** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **40.5456, 32.5773, 86.5936**, and the grayscale version is **68.2947, 71.8513, 78.2461**.

A 20% lighter version of the original color is **86.6256, 96.6303, 64.5379**, and **32.5305, 42.0208, 15.2004** is the 20% darker color. If you saturate the color by 10%, you get **59.4894, 76.5761, 27.5655**, and if you desaturate by 10%, it is **66.7738, 79.9288, 46.0925**.

Distribution



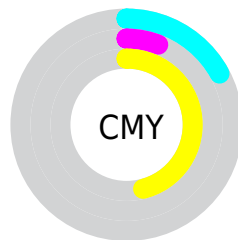
- Red (83%)
- Green (94%)
- Blue (54%)



- Red (54%)
- Yellow (94%)
- Blue (65%)



- Cyan (12%)
- Magenta (0%)
- Yellow (43%)
- Black (6%)





- Cyan (17%)
- Magenta (6%)
- Yellow (46%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 62.8989, 78.1522, 35.8145 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 62.8989, 78.1522, 35.8145 by changing the saturation by 10% instead.


 62.8989, 78.1522,
35.8145


 62.8989, 78.1522,
35.8145


424.8680,
488.6836, 343.1619


 46.0178, 58.1990,
24.0024


 108.1063,
130.7647, 69.9115

 32.4645, 41.9687,
15.1232


 137.1632,
164.1927, 93.0334

 21.8738, 29.0768,
8.7583


 171.0095,
202.8812, 120.7624

 13.8803, 19.1389,
4.4892

210.0104,
247.2145, 153.5170

 8.1186, 11.7707,
1.8974

254.5314,
297.5769, 191.7157

 4.2234, 6.5877,
0.4911

304.9377,

 1.8293, 3.2056,

354.3530, 235.7771

0.0000

361.5948,
417.9271, 286.1196

■ 0.5352, 1.2400,
0.0000

■ 0.0000, 0.0940,
0.0000

■ 62.8989, 78.1522,
35.8145

■ 62.8989, 78.1522,
35.8145

■ 59.4894, 76.5761,
27.5655

■ 66.7738, 79.9288,
46.0925

■ 56.5130, 75.1794,
21.2058


■ 71.1324, 81.9053,
58.5168


■ 53.9421, 73.9536,
16.5859


■ 75.9989, 84.0941,
73.2020


■ 51.7425, 72.8850,
13.5316


■ 81.3941, 86.5036,
90.2527

 49.8735, 71.9572,
11.8328

 86.8498, 88.9467,
107.1987

 48.6419, 71.3349,
11.2053

 89.1893, 90.1527,
107.3082

 90.4518, 90.8036,
107.3673

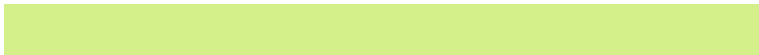
Harmonies

Analogous

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



75.0437, 78.1522, 31.1779



62.8989, 78.1522, 35.8145



54.7259, 78.1522, 52.3326

Triad

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



62.8989, 78.1522, 35.8145



61.7284, 78.1522, 163.0559



102.6293, 78.1522, 87.2889

Complementary

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



62.8989, 78.1522, 35.8145



40.5456, 32.5773, 86.5936

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.



98.0153, 78.1522, 129.2828



62.8989, 78.1522, 35.8145



73.5242, 78.1522, 180.3178

Square

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



62.8989, 78.1522, 35.8145



54.1085, 78.1522, 124.3659



86.9602, 78.1522, 166.4358



98.9321, 78.1522, 55.1056

Rectangle

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



62.8989, 78.1522, 35.8145



52.1098, 78.1522, 71.1788



86.9602, 78.1522, 166.4358



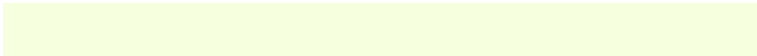
101.9892, 78.1522, 100.7150

Sweetspot

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



62.9008, 78.1557, 35.8162



86.8951, 96.3603, 83.0214



54.0167, 47.3451, 30.3374



18.3250, 20.5021, 16.9290



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.



62.9008, 78.1557, 35.8162



68.7603, 88.1051, 32.7672



50.6098, 71.8194, 35.2410



16.6751, 18.2282, 16.7892



26.7606, 39.1171, 6.1399



2.3214, 3.3033, 0.5152

Inverse Universe

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



40.5456, 32.5773, 86.5936



40.0060, 29.4160, 98.1770



53.1975, 39.0996, 87.1857



15.3045, 15.4387, 19.8949



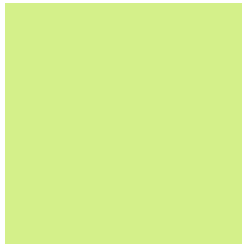
9.9455, 4.1325, 45.4013



0.9199, 0.3915, 3.7813

Previews

White Background



This preview shows how the XYZ color 62.8989, 78.1522, 35.8145 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 62.8989, 78.1522, 35.8145 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

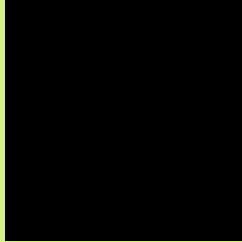
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 62.8989, 78.1522, 35.8145

Background



This preview shows how black text looks on a background with the XYZ color 62.8989, 78.1522, 35.8145.

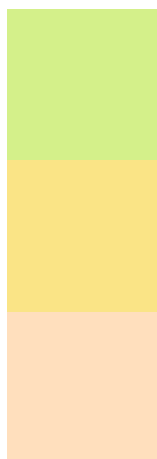


This preview shows how white text looks on a background with the XYZ color 62.8989, 78.1522,

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

62.8989, 78.1522, 35.8145

Protanopia

71.4708, 77.5320, 33.7525

Deuteranopia

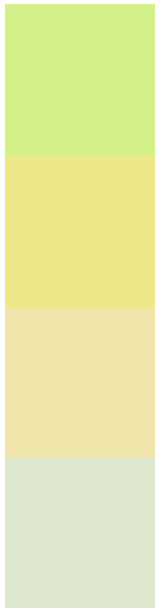
76.8130, 77.7095, 59.0951



Tritanopia

75.3145, 77.6995, 97.4142

Trichromacy



Original Color

62.8989, 78.1522, 35.8145

Protanomaly

67.8219, 77.2954, 34.2666

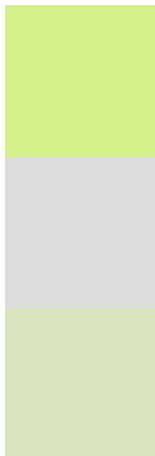
Deuteranomaly

70.8716, 77.2916, 49.2137

Tritanomaly

69.8160, 77.5416, 69.6799

Monochromacy



Original Color

62.8989, 78.1522, 35.8145

Achromatopsia

68.0267, 71.5694, 77.9390

Achromatomaly

65.3786, 73.4076, 59.4385

CSS Examples

Text

The CSS property to change the color of the text to XYZ 62.8989, 78.1522, 35.8145 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(212, 240, 138)` looks like.

```
.text, #text, p{  
    color:rgb(212, 240, 138)  
}
```

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(212, 240, 138) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 240, 138) }
```

Border

The CSS property to change the border of an element to XYZ 62.8989, 78.1522, 35.8145 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(212, 240, 138) }
```


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

```
.border{ border-color:rgb(212, 240, 138) }
```

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

Here you see how a box with a 4 pixel `rgb(212, 240, 138)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 240, 138); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 240, 138);  
box-shadow:4px 4px 4px 4px rgb(212, 240,  
138) }
```

Background

The CSS property to change the background color of an element to XYZ 62.8989, 78.1522, 35.8145 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 240, 138) }
```

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

```
.background{ background-color: rgb(212,  
240, 138) }
```

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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