

Converting Colors

XYZ(63.8063, 79.1646, 38.6262)

Have a look what the booklet for
XYZ(63.8063, 79.1646, 38.6262)
contains.

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Color

**XYZ(63.7175, 78.9520,
38.6691)**

Conversions

Conversions Part 1

Format	Color
Hex	D4F191
RGB	212, 241, 145
RGB Percent	83%, 95%, 57%
CMY	0.1686, 0.0549, 0.4314
CMYK	0.12, 0.00, 0.40, 0.05
HSL	78°, 77%, 76%
HSV	78°, 40%, 95%
XYZ	63.7175, 78.9520, 38.6691
YIQ	221.3850, 13.5320, -36.0040

Conversions

Conversions Part 2

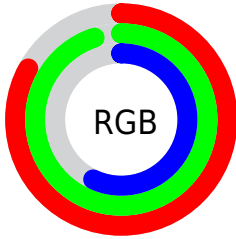
Format	Color
RYB	145, 241, 174
Decimal	13955473
CIELab	91.21, -24.52, 43.22
CIELCh	91, 49.690, 119.573
Yxy	78.9520, 0.3514, 0.4354
Android (android.graphics.Color)	4292145553 (0xFFD4F191)
YUV	221.3850, -37.6578, -8.2306
Hunter-Lab	88.8549, -27.4945, 36.3958

Details

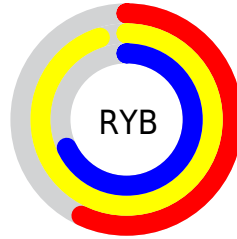
The XYZ color **63.7175, 78.9520, 38.6691** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **43.4614, 35.6026, 87.8050**, and the grayscale version is **69.2495, 72.8559, 79.3401**.

A 20% lighter version of the original color is **87.4253, 96.9501, 68.7490**, and **33.0350, 42.5562, 16.8290** is the 20% darker color. If you saturate the color by 10%, you get **60.0014, 77.2312, 29.8025**, and if you desaturate by 10%, it is **67.9264, 80.8863, 49.6196**.

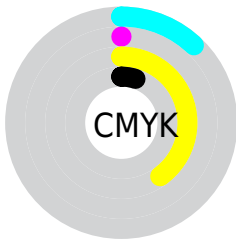
Distribution



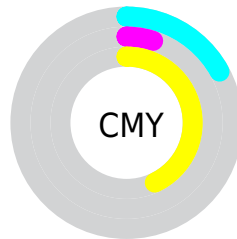
- Red (83%)
- Green (95%)
- Blue (57%)



- Red (57%)
- Yellow (95%)
- Blue (68%)



- Cyan (12%)
- Magenta (0%)
- Yellow (40%)
- Black (5%)





- Cyan (17%)
- Magenta (5%)
- Yellow (43%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 63.7175, 78.9520, 38.6691 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 63.7175, 78.9520, 38.6691 by changing the saturation by 10% instead.


 63.7175, 78.9520,
38.6691

 63.7175, 78.9520,
38.6691


427.7872,
491.3939, 355.8655

 46.6827, 58.8563,
26.1966


 109.2800,
131.8913, 74.3473

 32.9918, 42.4975,
16.7437


 138.5384,
165.5037, 98.3900

 22.2794, 29.4910,
9.8919


172.6022,
204.3905, 127.1266

 14.1801, 19.4526,
5.2227

211.8365,
248.9361, 160.9755

 8.3286, 11.9978,
2.3175

256.6068,
299.5248, 200.3553

 4.3595, 6.7422,
0.7410


307.2784,


 1.9074, 3.3014,


356.5411, 245.6845


0.0000

364.2168,
420.3693, 297.3817


 0.5812, 1.2910,
0.0000


 0.0000, 0.1342,
0.0000


 63.7175, 78.9520,
38.6691


 63.7175, 78.9520,
38.6691


 60.0014, 77.2312,
29.8025


 67.9264, 80.8863,
49.6196

 56.7460, 75.7028,
22.8821

 72.6464, 83.0334,
62.7697

 53.9237, 74.3583,
17.7620

 77.9018, 85.4058,
78.2327

 51.5014, 73.1842,
14.2733

 83.7136, 88.0122,
96.1126

■ 49.4395, 72.1647,
12.2151

■ 88.3633, 90.1652,
107.3541

■ 47.6738, 71.2738,
11.2560

■ 90.7470, 91.3940,
107.4657

■ 47.6459, 71.2597,
11.2433

Harmonies

Analogous

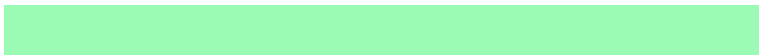
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



75.2219, 78.9520, 33.6066



63.7175, 78.9520, 38.6691



56.0443, 78.9520, 55.4193

Triad

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



63.7175, 78.9520, 38.6691



63.4380, 78.9520, 160.6695



101.9431, 78.9520, 86.4825

Complementary

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



63.7175, 78.9520, 38.6691



43.4614, 35.6026, 87.8050

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.



97.9092, 78.9520, 126.0704



63.7175, 78.9520, 38.6691



74.8614, 78.9520, 175.5927

Square

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



63.7175, 78.9520, 38.6691



55.8960, 78.9520, 124.9199



87.6335, 78.9520, 161.4539



98.1246, 78.9520, 56.0891

Rectangle

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



63.7175, 78.9520, 38.6691



53.6636, 78.9520, 74.0196



87.6335, 78.9520, 161.4539



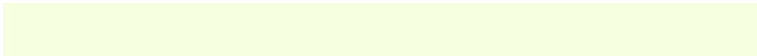
101.4545, 78.9520, 99.1318

Sweetspot

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



63.7195, 78.9555, 38.6708



87.1889, 96.4720, 84.8314



56.4868, 50.9425, 33.6449



18.4907, 20.5718, 17.6483



0.0000, 0.0000, 0.0000



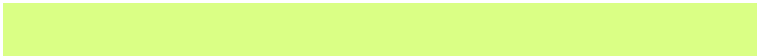
20.3446, 21.4041, 23.3091

Same Dimension

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



63.7195, 78.9555, 38.6708



68.8851, 88.1107, 35.4221



51.9199, 72.8726, 38.1186



16.6310, 18.2054, 16.7872



25.9789, 38.7142, 6.1034



2.2614, 3.2723, 0.5124

Inverse Universe

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



43.4614, 35.6026, 87.8050



42.8700, 32.3852, 98.5992



56.0685, 42.1017, 88.3950



15.3463, 15.4602, 19.8969



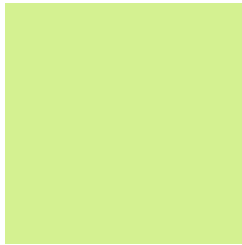
10.2114, 4.2696, 45.4138



0.9465, 0.4052, 3.7825

Previews

White Background



This preview shows how the XYZ color 63.7175, 78.9520, 38.6691 looks on a white background.

Color Contrast Check

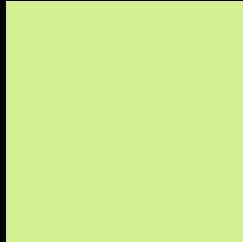
Large Text (above 18pt) WCAG AA × Fail

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 63.7175, 78.9520, 38.6691 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

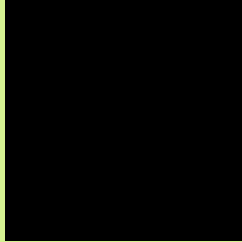
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 63.7175, 78.9520, 38.6691

Background



This preview shows how black text looks on a background with the XYZ color 63.7175, 78.9520, 38.6691.



This preview shows how white text looks on a background with the XYZ color 63.7175, 78.9520,

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

63.7175, 78.9520, 38.6691

Protanopia

72.2514, 78.2857, 36.5019

Deuteranopia

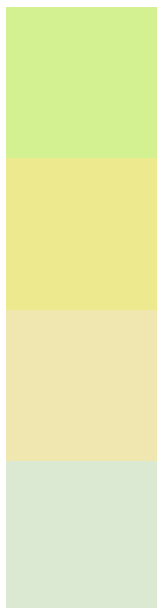
77.5213, 78.4216, 61.5031



Tritanopia

75.8591, 78.7616, 99.2000

Trichromacy



Original Color

63.7175, 78.9520, 38.6691

Protanomaly

68.6135, 78.0637, 37.0427

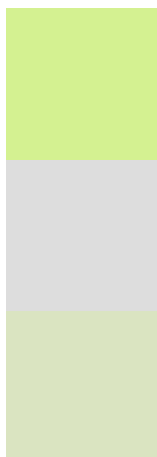
Deuteranomaly

71.7299, 78.0789, 52.3645

Tritanomaly

70.2870, 78.1466, 72.3521

Monochromacy



Original Color

63.7175, 78.9520, 38.6691

Achromatopsia

68.7264, 72.3055, 78.7407

Achromatomaly

66.2825, 74.2425, 61.2888

CSS Examples

Text

The CSS property to change the color of the text to XYZ 63.7175, 78.9520, 38.6691 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, 241, 145)` looks like.

```
.text, #text, p{  
    color:rgb(212, 241, 145)  
}
```

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, 241, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 241, 145) }
```

Border

The CSS property to change the border of an element to XYZ 63.7175, 78.9520, 38.6691 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, 241, 145) }
```


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

```
.border{ border-color:rgb(212, 241, 145) }
```

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

Here you see how a box with a 4 pixel `rgb(212, 241, 145)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 241, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 241, 145);  
box-shadow:4px 4px 4px 4px rgb(212, 241,  
145) }
```

Background

The CSS property to change the background color of an element to XYZ 63.7175, 78.9520, 38.6691 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 241, 145) }
```

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

```
.background{ background-color: rgb(212,  
241, 145) }
```

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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