

Converting Colors

XYZ(63.6791, 78.4527, 40.6419)

Have a look what the booklet for
XYZ(63.6791, 78.4527, 40.6419)
contains.

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Color

**XYZ(63.8165, 78.5192,
40.6464)**

Conversions

Conversions Part 1

Format	Color
Hex	D4F096
RGB	212, 240, 150
RGB Percent	83%, 94%, 59%
CMY	0.1686, 0.0588, 0.4118
CMYK	0.12, 0.00, 0.38, 0.06
HSL	79°, 75%, 76%
HSV	79°, 38%, 94%
XYZ	63.8165, 78.5192, 40.6464
YIQ	221.3680, 12.2020, -33.9260

Conversions

Conversions Part 2

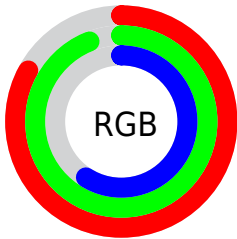
Format	Color
RYB	150, 240, 178
Decimal	13955222
CIELab	91.02, -23.45, 40.50
CIELCh	91, 46.803, 120.070
Yxy	78.5192, 0.3488, 0.4291
Android (android.graphics.Color)	4292145302 (0xFFD4F096)
YUV	221.3680, -35.1844, -8.2157
Hunter-Lab	88.6111, -26.5160, 34.8311

Details

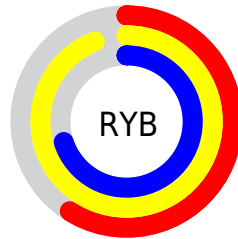
The XYZ color **63.8165, 78.5192, 40.6464** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **44.9977, 37.5710, 87.3227**, and the grayscale version is **69.2213, 72.8262, 79.3077**.

A 20% lighter version of the original color is **88.0194, 97.1878, 71.8776**, and **33.0554, 42.2307, 17.9644** is the 20% darker color. If you saturate the color by 10%, you get **59.9758, 76.7426, 31.3911**, and if you desaturate by 10%, it is **68.1566, 80.5124, 51.9942**.

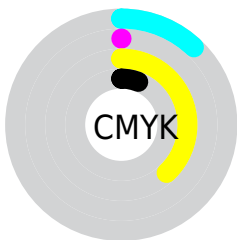
Distribution



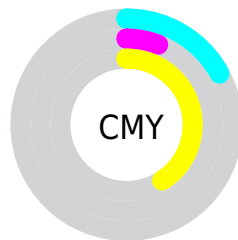
- Red (83%)
- Green (94%)
- Blue (59%)



- Red (59%)
- Yellow (94%)
- Blue (70%)



- Cyan (12%)
- Magenta (0%)
- Yellow (38%)
- Black (6%)



- Cyan (17%)
- Magenta (6%)
- Yellow (41%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 63.8165, 78.5192, 40.6464 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 63.8165, 78.5192, 40.6464 by changing the saturation by 10% instead.

63.8165, 78.5192,
40.6464

63.8165, 78.5192,
40.6464

428.1394,
489.9283, 364.4734

46.7632, 58.5006,
27.7253

109.4218,
131.2818, 77.3947

33.0557, 42.2112,
17.8814

138.7046,
164.7945, 102.0589

22.3285, 29.2667,
10.6963

172.7945,
203.5741, 131.4745

14.2164, 19.2827,
5.7514

212.0570,
248.0049, 166.0602

8.3541, 11.8747,
2.6282

256.8573,
298.4713, 206.2343

4.3760, 6.6584,
0.9070

307.5610,

1.9170, 3.2494,

355.3578, 252.4155

0.0000

364.5332,
419.0486, 305.0224

■ 0.5867, 1.2633,
0.0000

■ 0.0000, 0.1125,
0.0000

■ 63.8165, 78.5192,
40.6464

■ 63.8165, 78.5192,
40.6464

■ 59.9758, 76.7426,
31.3911

■ 68.1566, 80.5124,
51.9942

■ 56.6029, 75.1618,
24.0952

■ 73.0137, 82.7214,
65.5470

■ 53.6714, 73.7688,
18.6179

■ 78.4117, 85.1586,
81.4148

■ 51.1493, 72.5506,
14.7979

■ 84.3712, 87.8323,
99.6992

■ 48.9991, 71.4919,
12.4451

■ 88.4001, 89.7458,
107.2712

■ 47.1716, 70.5731,
11.3080

■ 90.4517, 90.8035,
107.3672

■ 46.7466, 70.3578,
11.1166

Harmonies

Analogous

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



74.6023, 78.5192, 35.5425



63.8165, 78.5192, 40.6464



56.6233, 78.5192, 56.9686

Triad

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



63.8165, 78.5192, 40.6464



63.8600, 78.5192, 155.1797



99.7298, 78.5192, 85.4142

Complementary

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



63.8165, 78.5192, 40.6464



44.9977, 37.5710, 87.3227

Split Complementary

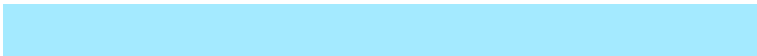
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



96.0992, 78.5192, 122.2359



63.8165, 78.5192, 40.6464



74.6580, 78.5192, 168.4513

Square

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



63.8165, 78.5192, 40.6464



56.6465, 78.5192, 122.4116



86.6012, 78.5192, 155.0609



96.0662, 78.5192, 56.8631

Rectangle

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



63.8165, 78.5192, 40.6464



54.4156, 78.5192, 74.7589



86.6012, 78.5192, 155.0609



99.3175, 78.5192, 97.2107

Sweetspot

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



63.8185, 78.5227, 40.6481



87.7197, 96.7053, 86.6795



57.1652, 52.1740, 35.9129



18.5939, 20.6169, 18.0167



0.0000, 0.0000, 0.0000



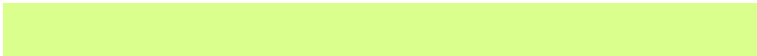
20.3446, 21.4041, 23.3091

Same Dimension

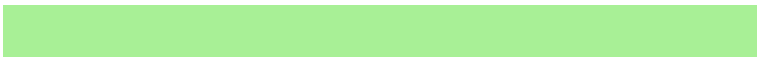
The Same Dimension uses a secret algorithm to generate beautiful new colors.



63.8185, 78.5227, 40.6481



69.8142, 88.5266, 38.3155



52.8161, 72.8508, 40.1332



16.6166, 18.1980, 16.7865



25.7313, 38.5866, 6.0918



2.2423, 3.2625, 0.5115

Inverse Universe

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



44.9977, 37.5710, 87.3227



45.3591, 35.2742, 99.0257



56.7615, 43.6355, 87.8733



15.3600, 15.4673, 19.8975



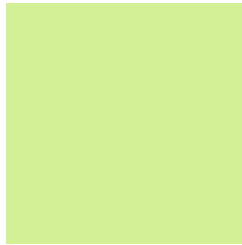
10.3045, 4.3176, 45.4181



0.9557, 0.4099, 3.7830

Previews

White Background



This preview shows how the XYZ color 63.8165, 78.5192, 40.6464 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 63.8165, 78.5192, 40.6464 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

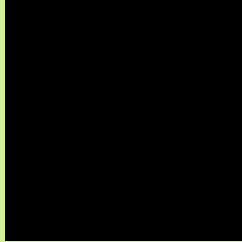
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 63.8165, 78.5192, 40.6464

Background



This preview shows how black text looks on a background with the XYZ color 63.8165, 78.5192, 40.6464.



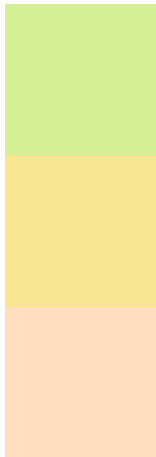
This preview shows how white text looks on a background with the XYZ color 63.8165, 78.5192,

40.6464.

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

63.8165, 78.5192, 40.6464

Protanopia

72.2745, 78.2537, 38.4893

Deuteranopia

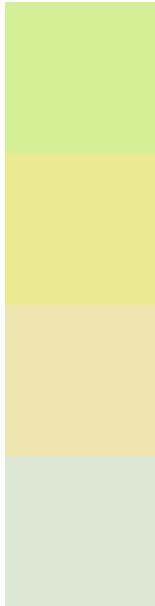
77.1421, 77.8411, 60.8282



Tritanopia

75.4293, 78.1482, 98.2973

Trichromacy



Original Color

63.8165, 78.5192, 40.6464

Protanomaly

68.9974, 78.2173, 39.0647

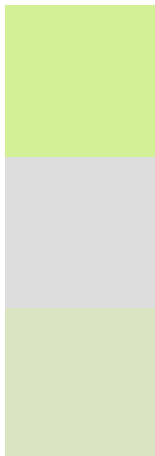
Deuteranomaly

71.5517, 77.5637, 52.7951

Tritanomaly

70.1297, 77.6320, 72.9163

Monochromacy



Original Color

63.8165, 78.5192, 40.6464

Achromatopsia

68.7264, 72.3055, 78.7407

Achromatomaly

66.5072, 74.3324, 62.4720

CSS Examples

Text

The CSS property to change the color of the text to XYZ 63.8165, 78.5192, 40.6464 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, 150)` looks like.

```
.text, #text, p{  
    color:rgb(212, 240, 150)  
}
```

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, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 240, 150) }
```

Border

The CSS property to change the border of an element to XYZ 63.8165, 78.5192, 40.6464 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, 150) }
```


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

```
.border{ border-color:rgb(212, 240, 150) }
```

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, 150) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 240, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 240, 150);  
box-shadow:4px 4px 4px 4px rgb(212, 240,  
150) }
```

Background

The CSS property to change the background color of an element to XYZ 63.8165, 78.5192, 40.6464 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, 150) }
```

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

```
.background{ background-color: rgb(212,  
240, 150) }
```

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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