

Converting Colors

XYZ(63.5982, 57.9164,
102.4347)

Have a look what the booklet for
XYZ(63.5982, 57.9164, 102.4347)
contains.

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Color

**XYZ(63.6148, 58.0440,
102.4585)**

Conversions

Conversions Part 1

Format	Color
Hex	D4BEFF
RGB	212, 190, 255
RGB Percent	83%, 75%, 100%
CMY	0.1686, 0.2549, 0.0000
CMYK	0.17, 0.25, 0.00, 0.00
HSL	260°, 100%, 87%
HSV	260°, 25%, 100%
XYZ	63.6148, 58.0440, 102.4585
YIQ	203.9880, -7.7530, 24.8790

Conversions

Conversions Part 2

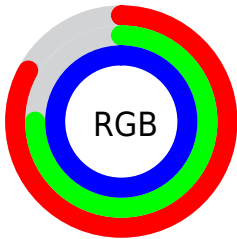
Format	Color
R _Y B	212, 190, 255
Decimal	13942527
CIE Lab	80.76, 20.28, -29.15
CIE LCh	81, 35.514, 304.825
Yxy	58.0440, 0.2838, 0.2590
Android (android.graphics.Color)	4292132607 (0xFFD4BEFF)
YUV	203.9880, 25.1489, 7.0265
Hunter-Lab	76.1866, 15.7185, -26.4047

Details

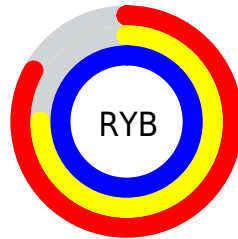
The XYZ color **63.6148, 58.0440, 102.4585** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **78.6598, 92.5619, 62.4383**, and the grayscale version is **57.2381, 60.2190, 65.5785**.

A 20% lighter version of the original color is **92.2458, 94.3915, 107.9653**, and **33.0433, 29.1366, 57.3084** is the 20% darker color. If you saturate the color by 10%, you get **53.9559, 45.5717, 100.5602**, and if you desaturate by 10%, it is **74.7514, 72.7152, 104.7034**.

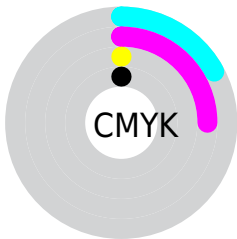
Distribution



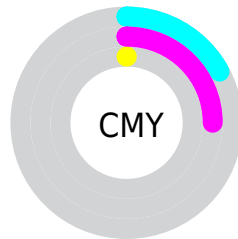
- Red (83%)
- Green (75%)
- Blue (100%)



- Red (83%)
- Yellow (75%)
- Blue (100%)



- Cyan (17%)
- Magenta (25%)
- Yellow (0%)
- Black (0%)



- Cyan (17%)
- Magenta (25%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 63.6148, 58.0440, 102.4585 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 63.6148, 58.0440, 102.4585 by changing the saturation by 10% instead.

63.6148, 58.0440,
102.4585

63.6148, 58.0440,
102.4585

427.4216,
417.3499, 589.3603

46.5993, 41.8440,
77.7270

109.1328,
101.9869, 166.6129

32.9256, 28.9792,
57.3346

138.3661,
130.4987, 206.8729

22.2284, 19.0651,
40.8628

172.4026,
163.8831, 253.1462

14.1424, 11.7173,
27.8930

211.6077,
202.5247, 305.8512

8.3021, 6.5515,
18.0067

256.3468,
246.8077, 365.4066

4.3423, 3.1832,
10.7853

306.9852,

1.8975, 1.2281,

297.1167, 432.2309

5.8103

363.8884,
353.8359, 506.7426

■ 0.5754, 0.0845,
2.6632

■ 0.0000, 0.0000,
0.9248

■ 63.6148, 58.0440,
102.4585

■ 63.6148, 58.0440,
102.4585

■ 53.9559, 45.5717,
100.5602

■ 74.7514, 72.7152,
104.7034

■ 45.7038, 35.1827,
98.9898

■ 87.4220, 89.6794,
107.3100

■ 38.7890, 26.7612,
97.7288

95.0500, 100.0000,
108.9000

■ 33.1335, 20.1768,
96.7559

■ 28.6504, 15.2828,
96.0476

■ 25.2402, 11.9090,
95.5761

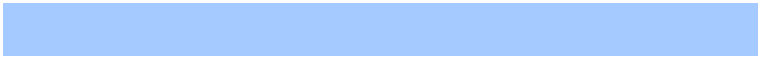
■ 22.7830, 9.8463,
95.3075

■ 21.9159, 9.2129,
95.2309

Harmonies

Analogous

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



56.3631, 58.0440, 112.5513



63.6148, 58.0440, 102.4585



68.9313, 58.0440, 81.9699

Triad

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



63.6148, 58.0440, 102.4585



61.3835, 58.0440, 33.2583



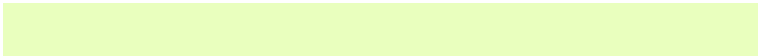
42.2841, 58.0440, 66.6564

Complementary

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



63.6148, 58.0440, 102.4585



78.6598, 92.5619, 62.4383

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.



43.3726, 58.0440, 47.5394



63.6148, 58.0440, 102.4585



53.9921, 58.0440, 30.9103

Square

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



63.6148, 58.0440, 102.4585



67.5652, 58.0440, 42.8395



47.5061, 58.0440, 35.5208



44.3903, 58.0440, 89.1645

Rectangle

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



63.6148, 58.0440, 102.4585



70.4282, 58.0440, 66.9105



47.5061, 58.0440, 35.5208



42.2904, 58.0440, 59.6294

Sweetspot

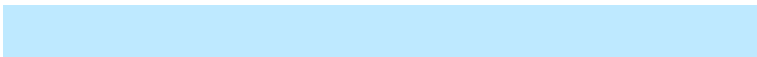
The Sweet Spot groups the original color and five complimentary colors.



63.6165, 58.0463, 102.4588



84.0920, 85.1975, 106.6204



68.5202, 76.6354, 105.7884



17.5824, 17.6765, 22.7352



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.



63.6165, 58.0463, 102.4588



58.1137, 50.9061, 101.3707



73.8308, 63.3120, 102.9369



17.5824, 17.6765, 22.7352



11.5936, 4.8872, 49.7669



1.2399, 0.5331, 4.8508

Inverse Universe

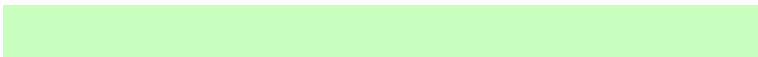
The Inverse Universe completely reimagines the original color for something new.



74.3628, 63.9723, 85.5211



70.7932, 57.9062, 81.0235



69.0984, 87.6329, 61.9908



18.5161, 18.1897, 21.3347



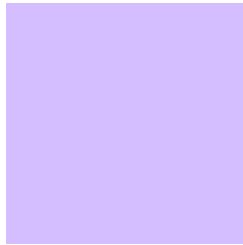
25.3484, 12.6287, 21.0171



2.5192, 1.2500, 2.3153

Previews

White Background



This preview shows how the XYZ color 63.6148, 58.0440, 102.4585 looks on a white background.

Color Contrast Check

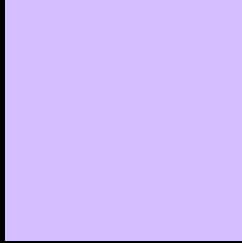
Large Text (above 18pt) WCAG AA × Fail

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 63.6148, 58.0440, 102.4585 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

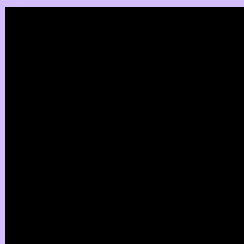
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 63.6148, 58.0440, 102.4585

Background



This preview shows how black text looks on a background with the XYZ color 63.6148, 58.0440, 102.4585.



This preview shows how white text looks on a background with the XYZ color 63.6148, 58.0440,

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

63.6148, 58.0440, 102.4585

Protanopia

58.4938, 58.0473, 102.7290

Deuteranopia

59.5939, 58.2947, 101.8770



Tritanopia

57.3812, 58.1714, 71.1547

Trichromacy



Original Color

63.6148, 58.0440, 102.4585

Protanomaly

60.0708, 57.8523, 102.6083

Deuteranomaly

60.7344, 57.8814, 101.7371

Tritanomaly

59.5311, 58.0415, 81.4643

Monochromacy



Original Color

63.6148, 58.0440, 102.4585

Achromatopsia

57.3938, 60.3827, 65.7568

Achromatomaly

59.4748, 59.4400, 78.1504

CSS Examples

Text

The CSS property to change the color of the text to XYZ 63.6148, 58.0440, 102.4585 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, 190, 255)` looks like.

```
.text, #text, p{  
    color:rgb(212, 190, 255)  
}
```

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, 190, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 190, 255) }
```

Border

The CSS property to change the border of an element to XYZ 63.6148, 58.0440, 102.4585 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, 190, 255) }
```


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

```
.border{ border-color:rgb(212, 190, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(212, 190, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 190, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 190, 255);  
box-shadow:4px 4px 4px 4px rgb(212, 190,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 63.6148, 58.0440, 102.4585 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 190, 255) }
```

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

```
.background{ background-color: rgb(212,  
190, 255) }
```

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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