

Converting Colors

XYZ(64.6646, 58.4890,
102.4890)

Have a look what the booklet for
XYZ(64.6646, 58.4890, 102.4890)
contains.

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Color

**XYZ(64.7824, 58.6458,
102.5131)**

Conversions

Conversions Part 1

Format	Color
Hex	D8BEFF
RGB	216, 190, 255
RGB Percent	85%, 75%, 100%
CMY	0.1529, 0.2549, 0.0000
CMYK	0.15, 0.25, 0.00, 0.00
HSL	264°, 100%, 87%
HSV	264°, 25%, 100%
XYZ	64.7824, 58.6458, 102.5131
YIQ	205.1840, -5.3690, 25.7270

Conversions

Conversions Part 2

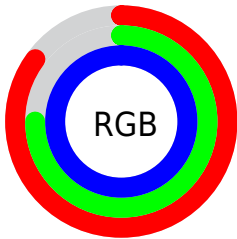
Format	Color
R _Y B	216, 190, 255
Decimal	14204671
CIE Lab	81.10, 21.50, -28.61
CIE LCh	81, 35.793, 306.927
Yxy	58.6458, 0.2867, 0.2596
Android (android.graphics.Color)	4292394751 (0xFFD8BEFF)
YUV	205.1840, 24.5593, 9.4856
Hunter-Lab	76.5805, 16.9840, -25.7611

Details

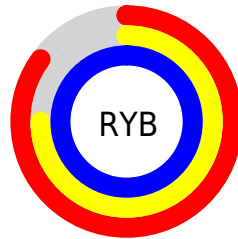
The XYZ color **64.7824, 58.6458, 102.5131** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **77.3684, 91.8962, 62.3777**, and the grayscale version is **57.9980, 61.0184, 66.4490**.

A 20% lighter version of the original color is **92.2458, 94.3915, 107.9653**, and **33.8366, 29.5456, 57.3456** is the 20% darker color. If you saturate the color by 10%, you get **55.4235, 46.3282, 100.6288**, and if you desaturate by 10%, it is **75.5319, 73.1175, 104.7399**.

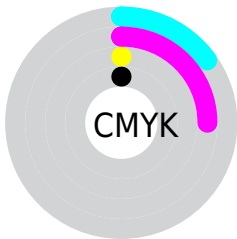
Distribution



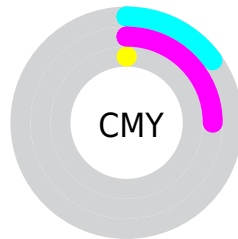
- Red (85%)
- Green (75%)
- Blue (100%)



- Red (85%)
- Yellow (75%)
- Blue (100%)



- Cyan (15%)
- Magenta (25%)
- Yellow (0%)
- Black (0%)



- Cyan (15%)
- Magenta (25%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 64.7824, 58.6458, 102.5131 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 64.7824, 58.6458, 102.5131 by changing the saturation by 10% instead.

64.7824, 58.6458,
102.5131

64.7824, 58.6458,
102.5131

431.5672,
419.5880, 589.5356

47.5487, 42.3281,
77.7724

110.8044,
102.8627, 166.6884

33.6794, 29.3583,
57.3717

140.3234,
131.5306, 206.9601

22.8091, 19.3520,
40.8924

174.6683,
165.0841, 253.2460

14.5726, 11.9249,
27.9160

214.2043,
203.9075, 305.9644

8.6043, 6.6926,
18.0238

259.2968,
248.3852, 365.5341

4.5390, 3.2706,
10.7975

310.3113,

2.0114, 1.2746,

298.9016, 432.3735

5.8184

367.6129,
355.8411, 506.9011

■ 0.6403, 0.1214,
2.6680

■ 0.0000, 0.0000,
0.9272

■ 64.7824, 58.6458,
102.5131

■ 64.7824, 58.6458,
102.5131

■ 55.4235, 46.3282,
100.6288

■ 75.5319, 73.1175,
104.7399

■ 47.3882, 36.0510,
99.0686

■ 87.7244, 89.8352,
107.3241

■ 40.6114, 27.7006,
97.8140

95.0500, 100.0000,
108.9000

■ 35.0199, 21.1492,
96.8442

■ 30.5318, 16.2527,
96.1356

■ 27.0533, 12.8436,
95.6609

■ 24.4703, 10.7161,
95.3864

■ 23.5295, 10.0448,
95.3064

Harmonies

Analogous

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



57.4837, 58.6458, 113.7556



64.7824, 58.6458, 102.5131



69.9610, 58.6458, 81.2900

Triad

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



64.7824, 58.6458, 102.5131



61.5360, 58.6458, 33.0995



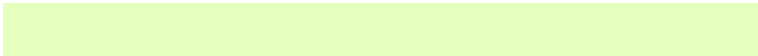
42.7151, 58.6458, 68.9233

Complementary

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



64.7824, 58.6458, 102.5131



77.3684, 91.8962, 62.3777

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.



43.5917, 58.6458, 49.1107



64.7824, 58.6458, 102.5131



54.0341, 58.6458, 31.2150

Square

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



64.7824, 58.6458, 102.5131



67.9733, 58.6458, 42.2733



47.5827, 58.6458, 36.3903



45.0721, 58.6458, 91.7593

Rectangle

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



64.7824, 58.6458, 102.5131



71.2764, 58.6458, 66.0765



47.5827, 58.6458, 36.3903



42.6450, 58.6458, 61.6844

Sweetspot

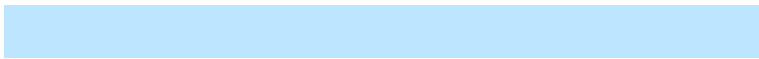
The Sweet Spot groups the original color and five complimentary colors.



64.7841, 58.6482, 102.5135



84.5233, 85.4199, 106.6406



67.3061, 74.2073, 105.3838



17.6906, 17.7323, 22.7402



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.



64.7841, 58.6482, 102.5135



59.4572, 51.5987, 101.4336



75.3535, 64.0969, 103.0081



17.6906, 17.7323, 22.7402



12.4519, 5.3297, 49.8070



1.3317, 0.5804, 4.8551

Inverse Universe

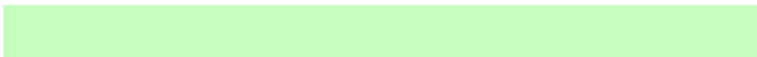
The Inverse Universe completely reimagines the original color for something new.



73.7975, 63.7460, 82.5446



70.1261, 57.6393, 77.5103



67.9510, 87.0414, 61.9370



18.4670, 18.1701, 21.0764



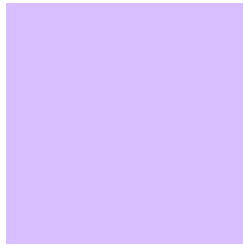
24.6289, 12.3409, 17.2282



2.4520, 1.2232, 1.9618

Previews

White Background



This preview shows how the XYZ color 64.7824, 58.6458, 102.5131 looks on a white background.

Color Contrast Check

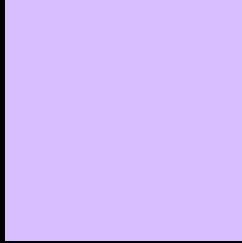
Large Text (above 18pt) WCAG AA × Fail

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 64.7824, 58.6458, 102.5131 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

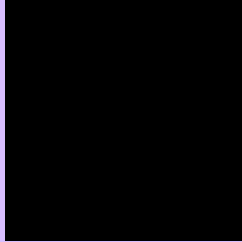
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 64.7824, 58.6458, 102.5131

Background



This preview shows how black text looks on a background with the XYZ color 64.7824, 58.6458, 102.5131.



This preview shows how white text looks on a background with the XYZ color 64.7824, 58.6458,

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

64.7824, 58.6458, 102.5131

Protanopia

58.9669, 58.6316, 102.8169

Deuteranopia

60.1718, 58.9493, 101.1355



Tritanopia

58.4988, 58.7476, 71.2070

Trichromacy



Original Color

64.7824, 58.6458, 102.5131

Protanomaly

61.0786, 58.7056, 102.7199

Deuteranomaly

61.7616, 58.7425, 101.8492

Tritanomaly

60.6701, 58.6287, 81.5176

Monochromacy



Original Color

64.7824, 58.6458, 102.5131

Achromatopsia

58.0276, 61.0496, 66.4830

Achromatomaly

60.2681, 60.1916, 78.2537

CSS Examples

Text

The CSS property to change the color of the text to XYZ 64.7824, 58.6458, 102.5131 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(216, 190, 255)` looks like.

```
.text, #text, p{  
    color:rgb(216, 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(216, 190, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 190, 255) }
```

Border

The CSS property to change the border of an element to XYZ 64.7824, 58.6458, 102.5131 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(216, 190, 255) }
```


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

```
.border{ border-color:rgb(216, 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(216, 190, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 190, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 190, 255);  
box-shadow:4px 4px 4px 4px rgb(216, 190,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 64.7824, 58.6458, 102.5131 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 190, 255) }
```

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

```
.background{ background-color: rgb(216,  
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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