

# Converting Colors

XYZ(63.4168, 58.3455,  
102.5271)

Have a look what the booklet for  
XYZ(63.4168, 58.3455, 102.5271)  
contains.

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# Color

**XYZ(63.2591, 58.1832,  
102.5041)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D2BFFF
RGB	210, 191, 255
RGB Percent	82%, 75%, 100%
CMY	0.1765, 0.2510, 0.0000
CMYK	0.18, 0.25, 0.00, 0.00
HSL	258°, 100%, 87%
HSV	258°, 25%, 100%
XYZ	63.2591, 58.1832, 102.5041
YIQ	203.9770, -9.2200, 23.9320

# Conversions

## Conversions Part 2

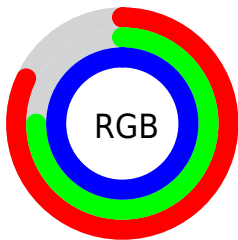
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	210, 191, 255
Decimal	13811711
CIE <sub>Lab</sub>	80.84, 19.13, -29.05
CIE <sub>LCh</sub>	81, 34.783, 303.369
Yxy	58.1832, 0.2825, 0.2598
Android (android.graphics.Color)	4292001791 (0xFFD2BFFF)
YUV	203.9770, 25.1543, 5.2822
Hunter-Lab	76.2779, 14.5480, -26.2808

# Details

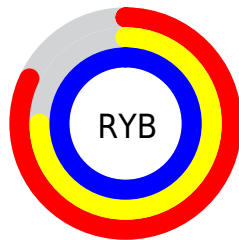
The XYZ color **63.2591, 58.1832, 102.5041** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **79.7572, 93.1150, 63.0621**, and the grayscale version is **57.2318, 60.2123, 65.5712**.

A 20% lighter version of the original color is **92.5508, 95.0015, 108.0669**, and **32.7991, 29.2227, 57.3379** is the 20% darker color. If you saturate the color by 10%, you get **53.3529, 45.5285, 100.5836**, and if you desaturate by 10%, it is **74.7088, 73.0735, 104.7748**.

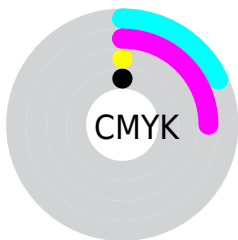
# Distribution



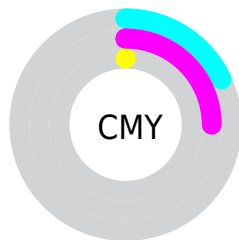
- Red (82%)
- Green (75%)
- Blue (100%)



- Red (82%)
- Yellow (75%)
- Blue (100%)



- Cyan (18%)
- Magenta (25%)
- Yellow (0%)
- Black (0%)



- Cyan (18%)
- Magenta (25%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 63.2591, 58.1832, 102.5041 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 63.2591, 58.1832, 102.5041 by changing the saturation by 10% instead.



63.2591, 58.1832,  
102.5041

63.2591, 58.1832,  
102.5041

426.1539,  
417.8682, 589.5067

46.3103, 41.9559,  
77.7650

108.6229,  
102.1896, 166.6760

32.6964, 29.0668,  
57.3656

137.7687,  
130.7375, 206.9457

22.0521, 19.1314,  
40.8875

171.7108,  
164.1611, 253.2295

14.0120, 11.7652,  
27.9122

210.8146,  
202.8448, 305.9458

8.2108, 6.5840,  
18.0210

255.4454,  
247.1730, 365.5131

4.2830, 3.2033,  
10.7955

305.9687,

1.8635, 1.2388,

297.5300, 432.3500

5.8170

362.7498,  
354.3003, 506.8750

■ 0.5555, 0.0931,  
2.6672

■ 0.0000, 0.0000,  
0.9268

■ 63.2591, 58.1832,  
102.5041

■ 63.2591, 58.1832,  
102.5041

■ 53.3529, 45.5285,  
100.5836

■ 74.7088, 73.0735,  
104.7748

■ 44.9161, 34.9925,  
98.9946

■ 87.7612, 90.2948,  
107.4109

■ 37.8759, 26.4579,  
97.7183

95.0500, 100.0000,  
108.9000

■ 32.1508, 19.7929,  
96.7336

■ 27.6503, 14.8495,  
96.0166

■ 24.2708, 11.4561,  
95.5398

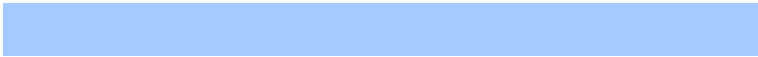
■ 21.8881, 9.4030,  
95.2691

■ 21.0068, 8.7443,  
95.1884

# Harmonies

## Analogous

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



56.1177, 58.1832, 111.6655



63.2591, 58.1832, 102.5041



68.6028, 58.1832, 82.8080

# Triad

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



63.2591, 58.1832, 102.5041



61.7327, 58.1832, 34.1409



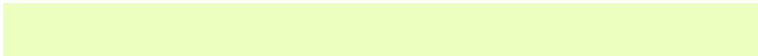
42.6168, 58.1832, 65.7066

# Complementary

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



63.2591, 58.1832, 102.5041



79.7572, 93.1150, 63.0621

# 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.



43.8411, 58.1832, 47.2098



63.2591, 58.1832, 102.5041



54.4930, 58.1832, 31.4770

# Square

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



63.2591, 58.1832, 102.5041



67.6692, 58.1832, 43.9746



48.0407, 58.1832, 35.7049



44.5406, 58.1832, 87.7191



# Rectangle

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



63.2591, 58.1832, 102.5041



70.2016, 58.1832, 68.0348



48.0407, 58.1832, 35.7049



42.6745, 58.1832, 58.8884

# Sweetspot

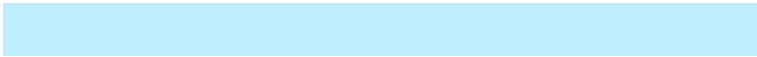
The Sweet Spot groups the original color and five complimentary colors.



63.2608, 58.1855, 102.5045



83.8023, 85.0482, 106.6068



69.7829, 78.7888, 106.1376



17.5098, 17.6390, 22.7318



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.



63.2608, 58.1855, 102.5045



58.2140, 51.7068, 101.5199



73.0032, 63.2079, 102.9604



17.5098, 17.6390, 22.7318



11.1061, 4.6359, 49.7440



1.1854, 0.5050, 4.8483



# Inverse Universe

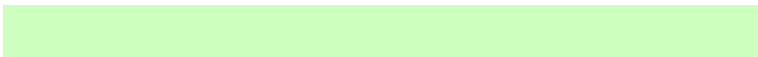
The Inverse Universe completely reimagines the original color for something new.



75.0124, 64.5798, 87.8699



71.8668, 59.1428, 84.1878



70.3055, 88.2424, 62.6197



18.5494, 18.2031, 21.5103



25.8850, 12.8433, 23.8429

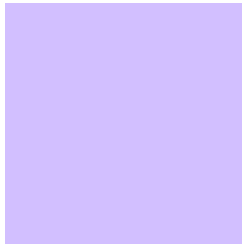


2.5684, 1.2697, 2.5747



# Previews

## White Background



This preview shows how the XYZ color 63.2591, 58.1832, 102.5041 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

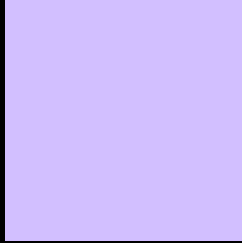
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 63.2591, 58.1832, 102.5041 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

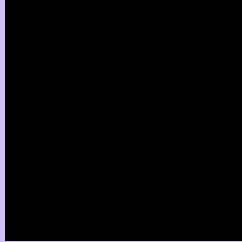
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 63.2591, 58.1832, 102.5041

## Background



This preview shows how black text looks on a background with the XYZ color 63.2591, 58.1832, 102.5041.



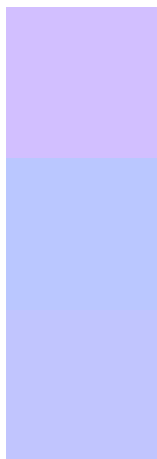
This preview shows how white text looks on a background with the XYZ color 63.2591, 58.1832,



# 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

63.2591, 58.1832, 102.5041

### Protanopia

58.7231, 58.5060, 102.8055

### Deuteranopia

59.8480, 58.4257, 101.8889



## Tritanopia

57.1896, 58.3984, 71.8761

# Trichromacy



## Original Color

63.2591, 58.1832, 102.5041

## Protanomaly

60.2956, 58.3020, 102.6832

## Deuteranomaly

60.9577, 58.3281, 101.8116

## Tritanomaly

59.3364, 58.2588, 82.2465

# Monochromacy



## Original Color

63.2591, 58.1832, 102.5041

## Achromatopsia

57.3938, 60.3827, 65.7568

## Achromatomaly

59.1963, 59.2964, 78.1374

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 63.2591, 58.1832, 102.5041 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(210, 191, 255)` looks like.

```
.text, #text, p{  
    color:rgb(210, 191, 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(210, 191, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(210, 191, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 63.2591, 58.1832, 102.5041 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(210, 191, 255) }
```



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

```
.border{ border-color:rgb(210, 191, 255) }
```

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

Here you see how a box with a 4 pixel rgb(210, 191, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(210, 191, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(210, 191, 255);  
box-shadow:4px 4px 4px 4px rgb(210, 191,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 63.2591, 58.1832, 102.5041 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(210, 191, 255) }
```

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

```
.background{ background-color: rgb(210,  
191, 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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