

Converting Colors

XYZ(65.7449, 58.7259,
102.4778)

Have a look what the booklet for
XYZ(65.7449, 58.7259, 102.4778)
contains.

XYZ(65.7628, 58.8308, 102.4972)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(65.7628, 58.8308,
102.4972)**

Conversions

Conversions Part 1

Format	Color
Hex	DCBDFF
RGB	220, 189, 255
RGB Percent	86%, 74%, 100%
CMY	0.1372, 0.2588, 0.0000
CMYK	0.14, 0.26, 0.00, 0.00
HSL	268°, 100%, 87%
HSV	268°, 26%, 100%
XYZ	65.7628, 58.8308, 102.4972
YIQ	205.7930, -2.7100, 27.0980

Conversions

Conversions Part 2

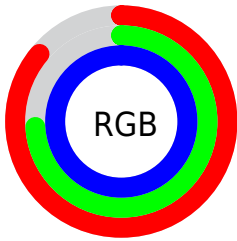
Format	Color
R _Y B	220, 189, 255
Decimal	14466559
CIE Lab	81.20, 23.27, -28.43
CIE LCh	81, 36.739, 309.307
Yxy	58.8308, 0.2896, 0.2591
Android (android.graphics.Color)	4292656639 (0xFFDCBDFF)
YUV	205.7930, 24.2591, 12.4595
Hunter-Lab	76.7012, 18.8168, -25.5394

Details

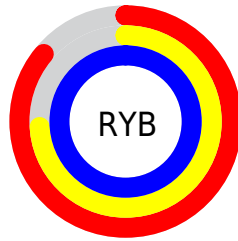
The XYZ color **65.7628, 58.8308, 102.4972** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **75.6869, 91.0420, 61.7304**, and the grayscale version is **58.3865, 61.4271, 66.8941**.

A 20% lighter version of the original color is **91.9424, 93.7848, 107.8641**, and **34.1669, 29.2977, 57.2803** is the 20% darker color. If you saturate the color by 10%, you get **56.8239, 46.7845, 100.6431**, and if you desaturate by 10%, it is **76.0004, 72.9811, 104.6888**.

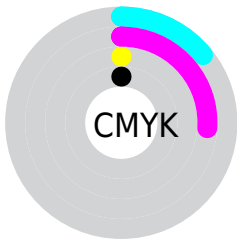
Distribution



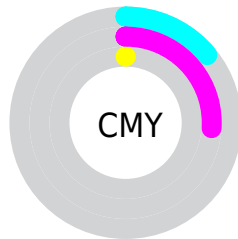
- Red (86%)
- Green (74%)
- Blue (100%)



- Red (86%)
- Yellow (74%)
- Blue (100%)



- Cyan (14%)
- Magenta (26%)
- Yellow (0%)
- Black (0%)



- Cyan (14%)
- Magenta (26%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 65.7628, 58.8308, 102.4972 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 65.7628, 58.8308, 102.4972 by changing the saturation by 10% instead.

65.7628, 58.8308,
102.4972

65.7628, 58.8308,
102.4972

435.0301,
420.2746, 589.4845

48.3469, 42.4769,
77.7592

112.2054,
103.1317, 166.6664

34.3141, 29.4749,
57.3609

141.9629,
131.8475, 206.9347

23.2990, 19.4404,
40.8838

176.5648,
165.4528, 253.2169

14.9363, 11.9889,
27.9093

216.3767,
204.3319, 305.9315

8.8608, 6.7361,
18.0188

261.7638,
248.8693, 365.4970

4.7068, 3.2976,
10.7939

313.0915,

2.1093, 1.2890,

299.4492, 432.3320

5.8160

370.7251,
356.4562, 506.8550

■ 0.6943, 0.1327,
2.6666

■ 0.0000, 0.0000,
0.9265

■ 65.7628, 58.8308,
102.4972

■ 65.7628, 58.8308,
102.4972

■ 56.8239, 46.7845,
100.6431

■ 76.0004, 72.9811,
104.6888

■ 49.1205, 36.7301,
99.1084

■ 87.5861, 89.3257,
107.2330

■ 42.5909, 28.5555,
97.8747

95.0500, 100.0000,
108.9000

■ 37.1659, 22.1346,
96.9213

■ 32.7676, 17.3246,
96.2247

■ 29.3061, 13.9595,
95.7576

■ 26.6717, 11.8340,
95.4862

■ 25.7642, 11.1968,
95.4110

Harmonies

Analogous

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



58.3298, 58.8308, 115.2746



65.7628, 58.8308, 102.4972



70.8380, 58.8308, 80.1266

Triad

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



65.7628, 58.8308, 102.4972



61.2777, 58.8308, 32.1755



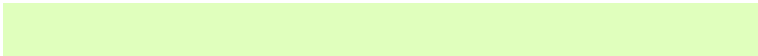
42.6202, 58.8308, 71.1145

Complementary

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



65.7628, 58.8308, 102.4972



75.6869, 91.0420, 61.7304

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.



43.2536, 58.8308, 50.2934



65.7628, 58.8308, 102.4972



53.5715, 58.8308, 30.8278

Square

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



65.7628, 58.8308, 102.4972



68.0890, 58.8308, 40.9036



47.1063, 58.8308, 36.6756



45.2894, 58.8308, 94.6225

Rectangle

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



65.7628, 58.8308, 102.4972



71.9537, 58.8308, 64.5676



47.1063, 58.8308, 36.6756



42.4597, 58.8308, 63.5485

Sweetspot

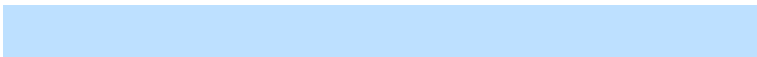
The Sweet Spot groups the original color and five complimentary colors.



65.7645, 58.8332, 102.4975



85.0153, 85.6735, 106.6636



65.7474, 71.4594, 104.9355



17.8143, 17.7960, 22.7460



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.



65.7645, 58.8332, 102.4975



61.0292, 52.4091, 101.5071



76.6839, 64.4623, 103.0085



17.8143, 17.7960, 22.7460



13.6314, 5.9377, 49.8622



1.4521, 0.6425, 4.8608

Inverse Universe

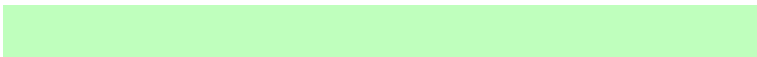
The Inverse Universe completely reimagines the original color for something new.



72.8934, 63.0391, 78.8484



69.3935, 57.3462, 73.6523



66.4831, 86.2972, 61.2997



18.4120, 18.1481, 20.7865



23.9184, 12.0567, 13.4867



2.3841, 1.1960, 1.6040

Previews

White Background



This preview shows how the XYZ color 65.7628, 58.8308, 102.4972 looks on a white background.

Color Contrast Check

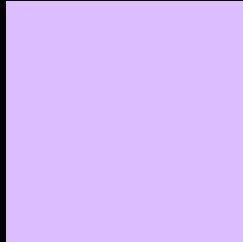
Large Text (above 18pt) WCAG AA × Fail

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 65.7628, 58.8308, 102.4972 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 65.7628, 58.8308, 102.4972

Background



This preview shows how black text looks on a background with the XYZ color 65.7628, 58.8308, 102.4972.

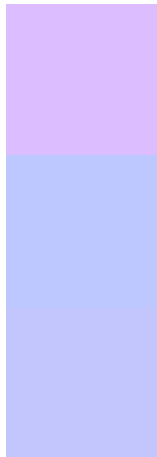


This preview shows how white text looks on a background with the XYZ color 65.7628, 58.8308,

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

65.7628, 58.8308, 102.4972

Protanopia

59.4433, 59.2199, 102.9053

Deuteranopia

60.4294, 59.0821, 101.1475



Tritanopia

59.2905, 58.8321, 70.5181

Trichromacy



Original Color

65.7628, 58.8308, 102.4972

Protanomaly

61.6093, 58.9792, 102.7447

Deuteranomaly

62.3063, 59.0233, 101.8747

Tritanomaly

61.6143, 58.7839, 81.4978

Monochromacy



Original Color

65.7628, 58.8308, 102.4972

Achromatopsia

58.6655, 61.7207, 67.2138

Achromatomaly

60.9728, 60.5393, 78.9926

CSS Examples

Text

The CSS property to change the color of the text to XYZ 65.7628, 58.8308, 102.4972 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(220, 189, 255)` looks like.

```
.text, #text, p{  
    color:rgb(220, 189, 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(220, 189, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 189, 255) }
```

Border

The CSS property to change the border of an element to XYZ 65.7628, 58.8308, 102.4972 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(220, 189, 255) }
```


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

```
.border{ border-color:rgb(220, 189, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(220, 189, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 189, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 189, 255);  
box-shadow:4px 4px 4px 4px rgb(220, 189,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 65.7628, 58.8308, 102.4972 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 189, 255) }
```

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

```
.background{ background-color: rgb(220,  
189, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor