

Converting Colors

XYZ(59.0017, 57.7771, 83.0726)

Have a look what the booklet for
XYZ(59.0017, 57.7771, 83.0726)
contains.

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Color

**XYZ(58.9749, 57.7225,
82.8962)**

Conversions

Conversions Part 1

Format	Color
Hex	CDC3E6
RGB	205, 195, 230
RGB Percent	80%, 76%, 90%
CMY	0.1961, 0.2353, 0.0980
CMYK	0.11, 0.15, 0.00, 0.10
HSL	257°, 41%, 83%
HSV	257°, 15%, 90%
XYZ	58.9749, 57.7225, 82.8962
YIQ	201.9800, -5.2750, 13.0050

Conversions

Conversions Part 2

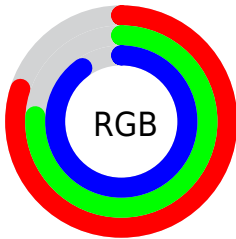
Format	Color
R _Y B	205, 195, 230
Decimal	13485030
CIE Lab	80.58, 10.15, -16.10
CIE LCh	81, 19.031, 302.231
Yxy	57.7225, 0.2955, 0.2892
Android (android.graphics.Color)	4291675110 (0xFFCDC3E6)
YUV	201.9800, 13.8139, 2.6485
Hunter-Lab	75.9753, 5.6016, -11.5082

Details

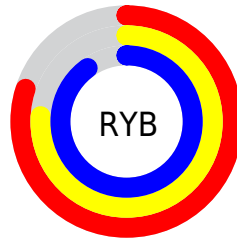
The XYZ color **58.9749, 57.7225, 82.8962** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **67.6643, 75.7509, 62.6875**, and the grayscale version is **56.0470, 58.9658, 64.2137**.

A 20% lighter version of the original color is **94.1004, 98.1008, 108.5835**, and **29.9274, 28.6851, 44.0038** is the 20% darker color. If you saturate the color by 10%, you get **49.9168, 45.9842, 81.1088**, and if you desaturate by 10%, it is **69.3062, 71.2985, 84.9730**.

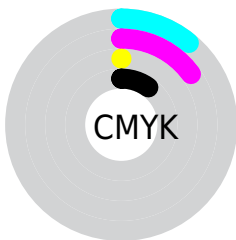
Distribution



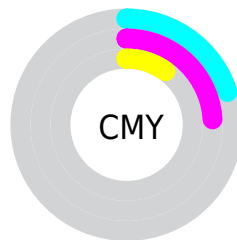
- Red (80%)
- Green (76%)
- Blue (90%)



- Red (80%)
- Yellow (76%)
- Blue (90%)



- Cyan (11%)
- Magenta (15%)
- Yellow (0%)
- Black (10%)



- Cyan (20%)
- Magenta (24%)
- Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 58.9749, 57.7225, 82.8962 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 58.9749, 57.7225, 82.8962 by changing the saturation by 10% instead.

■ 58.9749, 57.7225,
82.8962

■ 58.9749, 57.7225,
82.8962

410.7044,
416.1511, 524.6025

■ 42.8392, 41.5856,
61.5644

■ 102.4560,
101.5186, 139.2780

■ 29.9529, 28.7769,
44.2473

130.5322,
129.9467, 175.1651

■ 19.9508, 18.9121,
30.5264

163.3191,
163.2405, 216.7410

■ 12.4673, 11.6068,
19.9830

201.1824,
201.7846, 264.4244

■ 7.1372, 6.4765,
12.1987

244.4871,
245.9633, 318.6337

■ 3.5952, 3.1370,
6.7550

293.5988,

■ 1.4758, 1.2036,

296.1611, 379.7874

3.2332

348.8828,
352.7622, 448.3041

■ 0.3093, 0.0647,
1.2149

■ 0.0000, 0.0000,
0.0000

■ 58.9749, 57.7225,
82.8962

■ 58.9749, 57.7225,
82.8962

■ 49.9168, 45.9842,
81.1088

■ 69.3062, 71.2985,
84.9730

■ 42.0759, 35.9963,
79.5942

■ 80.9532, 86.7798,
87.3473

■ 35.3994, 27.6754,
78.3400

■ 91.0227, 98.3590,
89.0516

■ 29.8286, 20.9280,
77.3312

■ 91.2831, 98.4932,
89.0638

■ 25.2996, 15.6513,
76.5514

■ 21.7408, 11.7301,
75.9821

■ 19.0712, 9.0309,
75.6018

■ 17.1935, 7.3913,
75.3843

■ 16.5101, 6.8613,
75.3180

Harmonies

Analogous

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



55.1569, 57.7225, 86.9339



58.9749, 57.7225, 82.8962



61.7938, 57.7225, 73.4332

Triad

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



58.9749, 57.7225, 82.8962



58.4441, 57.7225, 45.6467



47.6835, 57.7225, 63.6926

Complementary

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



58.9749, 57.7225, 82.8962



67.6643, 75.7509, 62.6875

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.



48.4718, 57.7225, 53.3358



58.9749, 57.7225, 82.8962



54.5711, 57.7225, 43.6837

Square

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



58.9749, 57.7225, 82.8962



61.4773, 57.7225, 52.0440



50.9478, 57.7225, 46.3279



48.7420, 57.7225, 75.0570

Rectangle

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



58.9749, 57.7225, 82.8962



62.6611, 57.7225, 65.8080



50.9478, 57.7225, 46.3279



47.7412, 57.7225, 59.9820

Sweetspot

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



58.9767, 57.7249, 82.8975



87.8449, 90.4466, 107.4358



62.4056, 68.5473, 84.8057



18.5929, 19.0824, 22.9533



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.



58.9767, 57.7249, 82.8975



71.0643, 68.4332, 104.0712



64.0518, 60.3413, 83.1350



13.9676, 14.0855, 18.1269



9.4511, 3.9381, 42.6452



0.7876, 0.3370, 3.1555

Inverse Universe

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



65.0684, 61.0229, 76.0618



80.0751, 73.3141, 93.8465



62.6643, 73.1733, 62.4535



14.8103, 14.5413, 17.2017



22.3390, 11.0698, 21.2118



1.6903, 0.8338, 1.7756

Previews

White Background



This preview shows how the XYZ color 58.9749, 57.7225, 82.8962 looks on a white background.

Color Contrast Check

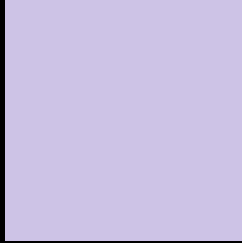
Large Text (above 18pt) WCAG AA × Fail

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 58.9749, 57.7225, 82.8962 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 58.9749, 57.7225, 82.8962

Background



This preview shows how black text looks on a background with the XYZ color 58.9749, 57.7225, 82.8962.



This preview shows how white text looks on a background with the XYZ color 58.9749, 57.7225,

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

58.9749, 57.7225, 82.8962

Protanopia

57.0077, 57.6837, 84.4734

Deuteranopia

58.9749, 57.7225, 82.8962



Tritanopia

56.5614, 57.7488, 71.1163

Trichromacy



Original Color

58.9749, 57.7225, 82.8962

Protanomaly

57.6788, 57.7078, 83.7000

Deuteranomaly

58.9749, 57.7225, 82.8962

Tritanomaly

57.3810, 57.7435, 75.1391

Monochromacy



Original Color

58.9749, 57.7225, 82.8962

Achromatopsia

56.1383, 59.0619, 64.3184

Achromatomaly

56.9357, 58.2968, 70.5389

CSS Examples

Text

The CSS property to change the color of the text to XYZ 58.9749, 57.7225, 82.8962 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(205, 195, 230)` looks like.

```
.text, #text, p{  
    color:rgb(205, 195, 230)  
}
```

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(205, 195, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 195, 230) }
```

Border

The CSS property to change the border of an element to XYZ 58.9749, 57.7225, 82.8962 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(205, 195, 230) }
```


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

```
.border{ border-color:rgb(205, 195, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(205, 195, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(205, 195, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(205, 195, 230);  
box-shadow:4px 4px 4px 4px rgb(205, 195,  
230) }
```

Background

The CSS property to change the background color of an element to XYZ 58.9749, 57.7225, 82.8962 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 195, 230) }
```

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

```
.background{ background-color: rgb(205,  
195, 230) }
```

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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