

# Converting Colors

XYZ(64.5291, 61.3614, 82.4077)

Have a look what the booklet for  
XYZ(64.5291, 61.3614, 82.4077)  
contains.

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# Color

**XYZ(64.5405, 61.2776,  
82.5549)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	DFC5E5
RGB	223, 197, 229
RGB Percent	87%, 77%, 90%
CMY	0.1255, 0.2274, 0.1020
CMYK	0.03, 0.14, 0.00, 0.10
HSL	289°, 38%, 84%
HSV	289°, 14%, 90%
XYZ	64.5405, 61.2776, 82.5549
YIQ	208.4220, 5.2240, 15.4640

# Conversions

## Conversions Part 2

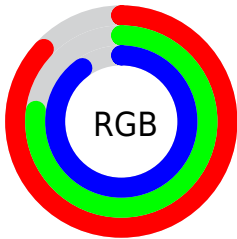
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	223, 197, 229
Decimal	14665189
CIE Lab	82.53, 14.79, -12.50
CIE LCh	83, 19.360, 319.799
Yxy	61.2776, 0.3097, 0.2941
Android (android.graphics.Color)	4292855269 (0xFFDFC5E5)
YUV	208.4220, 10.1450, 12.7849
Hunter-Lab	78.2800, 10.1801, -7.7318

# Details

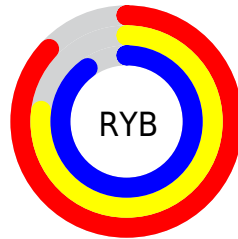
The XYZ color **64.5405, 61.2776, 82.5549** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **62.7282, 72.7680, 63.5659**, and the grayscale version is **60.1634, 63.2966, 68.9300**.

A 20% lighter version of the original color is **94.7318, 99.3636, 108.7939**, and **33.6109, 31.0257, 44.2615** is the 20% darker color. If you saturate the color by 10%, you get **58.4248, 50.9846, 80.8914**, and if you desaturate by 10%, it is **71.4833, 73.1729, 84.4859**.

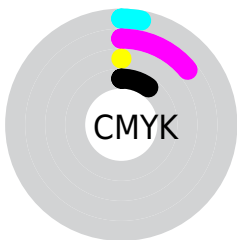
# Distribution



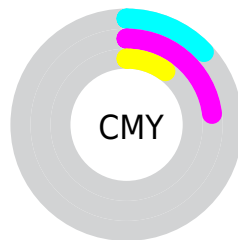
- Red (87%)
- Green (77%)
- Blue (90%)



- Red (87%)
- Yellow (77%)
- Blue (90%)



- Cyan (3%)
- Magenta (14%)
- Yellow (0%)
- Black (10%)



- Cyan (13%)
- Magenta (23%)
- Yellow (10%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 64.5405, 61.2776, 82.5549 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 64.5405, 61.2776, 82.5549 by changing the saturation by 10% instead.



64.5405, 61.2776,  
82.5549

64.5405, 61.2776,  
82.5549

430.7102,  
429.2911, 523.4340

47.3519, 44.4492,  
61.2846

110.4584,  
106.6808, 138.7955

33.5230, 31.0238,  
44.0228

139.9184,  
136.0244, 174.6029

22.6886, 20.6170,  
30.3511

174.1995,  
170.3085, 216.0931

14.4832, 12.8443,  
19.8509

213.6672,  
209.9176, 263.6845

8.5414, 7.3214,  
12.1037

258.6867,  
255.2360, 317.7958

4.4980, 3.6639,  
6.6910

309.6235,

1.9875, 1.4874,

306.6481, 378.8454

3.1941

366.8429,  
364.5384, 447.2520

■ 0.6270, 0.2798,  
1.1946

■ 0.0000, 0.0000,  
0.0000

■ 64.5405, 61.2776,  
82.5549

■ 64.5405, 61.2776,  
82.5549

■ 58.4248, 50.9846,  
80.8914

■ 71.4833, 73.1729,  
84.4859

■ 53.0949, 42.2148,  
79.4796

■ 79.2811, 86.7292,  
86.6916

■ 48.5142, 34.8943,  
78.3080

■ 84.4566, 94.9902,  
88.0133

■ 44.6409, 28.9397,  
77.3628

■ 85.8987, 95.7337,  
88.0808

41.4288, 24.2593,  
76.6287

87.3754, 96.4949,  
88.1499

38.8262, 20.7499,  
76.0885

88.8868, 97.2741,  
88.2207

36.7731, 18.2919,  
75.7222

90.4331, 98.0713,  
88.2930

35.1965, 16.7399,  
75.5058

91.1430, 98.4372,  
88.3262

34.4072, 16.1038,  
75.4246

# Harmonies

## Analogous

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



60.9824, 61.2776, 90.5679



64.5405, 61.2776, 82.5549



66.4388, 61.2776, 70.8430

# Triad

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



64.5405, 61.2776, 82.5549



59.6646, 61.2776, 46.6938



51.0650, 61.2776, 74.7498

# Complementary

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



64.5405, 61.2776, 82.5549



62.7282, 72.7680, 63.5659

# 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.



50.7497, 61.2776, 62.7619



64.5405, 61.2776, 82.5549



55.5860, 61.2776, 47.4769

# Square

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



64.5405, 61.2776, 82.5549



63.5366, 61.2776, 50.7702



52.3682, 61.2776, 53.0532



53.2510, 61.2776, 85.7048



# Rectangle

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



64.5405, 61.2776, 82.5549



66.4494, 61.2776, 62.9133



52.3682, 61.2776, 53.0532



50.7408, 61.2776, 70.6791

# Sweetspot

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



64.5423, 61.2802, 82.5562



91.1817, 93.3029, 107.8112



58.6219, 60.4313, 82.7044



19.3652, 19.7093, 23.0336



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.



64.5423, 61.2802, 82.5562



79.8184, 73.8829, 104.6617



65.1202, 61.7287, 75.7786



14.7163, 14.4715, 18.1620



19.7682, 9.2568, 43.1280



1.5295, 0.7195, 3.1902



# Inverse Universe

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



63.0610, 60.9051, 64.9352



77.5851, 73.3278, 77.6212



62.2611, 72.3960, 69.4703



14.4868, 14.4119, 15.4981



18.7562, 9.6367, 2.3452



1.4176, 0.7248, 0.3398



# Previews

## White Background



This preview shows how the XYZ color 64.5405, 61.2776, 82.5549 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

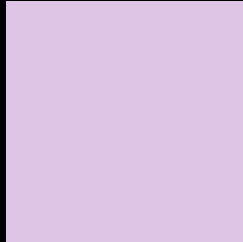
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 64.5405, 61.2776, 82.5549 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

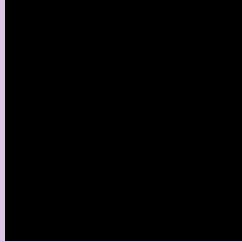
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 64.5405, 61.2776, 82.5549

## Background



This preview shows how black text looks on a background with the XYZ color 64.5405, 61.2776, 82.5549.



This preview shows how white text looks on a background with the XYZ color 64.5405, 61.2776,



# 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

64.5405, 61.2776, 82.5549

### Protanopia

60.3882, 61.4864, 85.7761

### Deuteranopia

62.6822, 61.3571, 81.9382



## Tritanopia

62.5080, 61.1253, 72.7938

# Trichromacy



## Original Color

64.5405, 61.2776, 82.5549

## Protanomaly

61.7466, 61.1548, 84.8936

## Deuteranomaly

63.3405, 61.3537, 81.9028

## Tritanomaly

63.2366, 61.0851, 76.1678

# Monochromacy



## Original Color

64.5405, 61.2776, 82.5549

## Achromatopsia

59.9535, 63.0757, 68.6895

## Achromatomaly

61.4281, 62.2897, 73.7513

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 64.5405, 61.2776, 82.5549 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(223, 197, 229)` looks like.

```
.text, #text, p{  
    color:rgb(223, 197, 229)  
}
```

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(223, 197, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 197, 229) }
```

## Border

The CSS property to change the border of an element to XYZ 64.5405, 61.2776, 82.5549 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(223, 197, 229) }
```



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

```
.border{ border-color:rgb(223, 197, 229) }
```

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

Here you see how a box with a 4 pixel `rgb(223, 197, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(223, 197, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(223, 197, 229);  
box-shadow:4px 4px 4px 4px rgb(223, 197,  
229) }
```

# Background

The CSS property to change the background color of an element to XYZ 64.5405, 61.2776, 82.5549 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(223, 197, 229) }
```

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

```
.background{ background-color: rgb(223,  
197, 229) }
```

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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