

Converting Colors

XYZ(64.6260, 61.9078, 85.3880)

Have a look what the booklet for
XYZ(64.6260, 61.9078, 85.3880)
contains.

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Color

**XYZ(64.6466, 61.9457,
85.6403)**

Conversions

Conversions Part 1

Format	Color
Hex	DCC7E9
RGB	220, 199, 233
RGB Percent	86%, 78%, 91%
CMY	0.1372, 0.2196, 0.0863
CMYK	0.06, 0.15, 0.00, 0.09
HSL	277°, 44%, 85%
HSV	277°, 15%, 91%
XYZ	64.6466, 61.9457, 85.6403
YIQ	209.1550, 1.6020, 15.0260

Conversions

Conversions Part 2

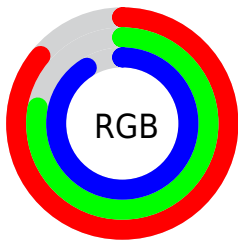
Format	Color
R _Y B	220, 199, 233
Decimal	14469097
CIE Lab	82.88, 13.49, -14.13
CIE LCh	83, 19.532, 313.681
Yxy	61.9457, 0.3046, 0.2919
Android (android.graphics.Color)	4292659177 (0xFFDCC7E9)
YUV	209.1550, 11.7556, 9.5111
Hunter-Lab	78.7056, 8.8802, -9.4201

Details

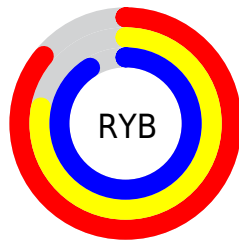
The XYZ color **64.6466, 61.9457, 85.6403** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **66.6014, 76.4001, 65.2723**, and the grayscale version is **60.6320, 63.7896, 69.4669**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **33.5783, 31.4245, 45.8907** is the 20% darker color. If you saturate the color by 10%, you get **57.0661, 50.6808, 83.8664**, and if you desaturate by 10%, it is **73.1954, 74.9315, 87.6972**.

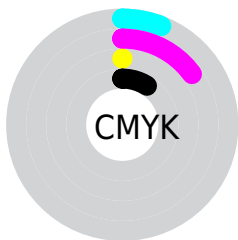
Distribution



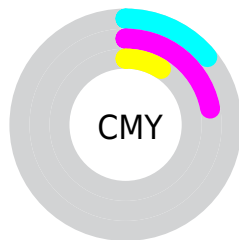
- Red (86%)
- Green (78%)
- Blue (91%)



- Red (86%)
- Yellow (78%)
- Blue (91%)



- Cyan (6%)
- Magenta (15%)
- Yellow (0%)
- Black (9%)



- Cyan (14%)
- Magenta (22%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 64.6466, 61.9457, 85.6403 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 64.6466, 61.9457, 85.6403 by changing the saturation by 10% instead.

64.6466, 61.9457,
85.6403

64.6466, 61.9457,
85.6403

431.0862,
431.7330, 533.9441

47.4382, 44.9888,
63.8174

110.6102,
107.6470, 143.1495

33.5916, 31.4486,
46.0575

140.0961,
137.1603, 179.6729

22.7414, 20.9407,
31.9422

174.4051,
171.6278, 221.9335

14.5223, 13.0807,
21.0529

213.9028,
211.4340, 270.3499

8.5690, 7.4841,
12.9711

258.9544,
256.9632, 325.3407

4.5160, 3.7667,
7.2781

309.9253,

1.9980, 1.5439,

308.5998, 387.3242

3.5556

367.1807,
366.7283, 456.7192

■ 0.6328, 0.3193,
1.3848

■ 0.0000, 0.0000,
0.1299

■ 64.6466, 61.9457,
85.6403

■ 64.6466, 61.9457,
85.6403

■ 57.0661, 50.6808,
83.8664

■ 73.1954, 74.9315,
87.6972

■ 50.4088, 41.0534,
82.3590

■ 82.7438, 89.7011,
90.0447

■ 44.6342, 32.9847,
81.1060

■ 88.7309, 97.1285,
91.1628

■ 39.6964, 26.3864,
80.0926

■ 91.7082, 98.6633,
91.3021

■ 35.5449, 21.1608,
79.3028

■ 32.1229, 17.1982,
78.7183

■ 29.3649, 14.3713,
78.3180

■ 27.1914, 12.5248,
78.0762

■ 26.1932, 11.8040,
77.9896

Harmonies

Analogous

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



60.8128, 61.9457, 92.5722



64.6466, 61.9457, 85.6403



66.9924, 61.9457, 74.1738

Triad

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



64.6466, 61.9457, 85.6403



61.1813, 61.9457, 47.5573



51.3579, 61.9457, 73.0811

Complementary

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



64.6466, 61.9457, 85.6403



66.6014, 76.4001, 65.2723

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.



51.4460, 61.9457, 61.1422



64.6466, 61.9457, 85.6403



56.9837, 61.9457, 47.3388

Square

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



64.6466, 61.9457, 85.6403



64.9274, 61.9457, 52.6716



53.4623, 61.9457, 52.0343



53.2157, 61.9457, 84.7586

Rectangle

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



64.6466, 61.9457, 85.6403



67.3301, 61.9457, 65.9709



53.4623, 61.9457, 52.0343



51.1637, 61.9457, 68.9477

Sweetspot

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



64.6485, 61.9483, 85.6417



90.4615, 92.9316, 107.7775



61.8154, 65.1315, 86.4054



19.1826, 19.6152, 23.0250



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.



64.6485, 61.9483, 85.6417



75.9500, 70.9519, 104.2998



68.1770, 63.8321, 82.8819



15.1246, 15.0095, 19.0222



15.0048, 6.7712, 44.2591



1.2849, 0.5867, 3.4804

Inverse Universe

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



65.9135, 62.9267, 70.9625



77.8821, 72.4368, 82.2979



63.4699, 74.7318, 67.5614



15.3038, 15.1494, 16.8852



20.1491, 10.2623, 6.5867



1.6278, 0.8241, 0.7576

Previews

White Background



This preview shows how the XYZ color 64.6466, 61.9457, 85.6403 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 64.6466, 61.9457, 85.6403 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

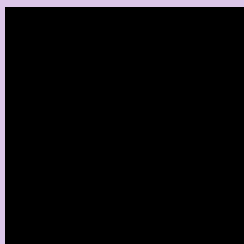
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 64.6466, 61.9457, 85.6403

Background



This preview shows how black text looks on a background with the XYZ color 64.6466, 61.9457, 85.6403.



This preview shows how white text looks on a background with the XYZ color 64.6466, 61.9457,

85.6403.

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

64.6466, 61.9457, 85.6403

Protanopia

61.2048, 62.1946, 88.8997

Deuteranopia

63.3262, 61.9526, 85.7112



Tritanopia

62.6889, 62.2084, 75.0330

Trichromacy



Original Color

64.6466, 61.9457, 85.6403

Protanomaly

62.5087, 62.1779, 88.0639

Deuteranomaly

63.6812, 61.7907, 85.6612

Tritanomaly

63.4193, 62.1611, 78.4678

Monochromacy



Original Color

64.6466, 61.9457, 85.6403

Achromatopsia

60.6036, 63.7597, 69.4343

Achromatomaly

61.9268, 62.8707, 75.2010

CSS Examples

Text

The CSS property to change the color of the text to XYZ 64.6466, 61.9457, 85.6403 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, 199, 233)` looks like.

```
.text, #text, p{  
    color:rgb(220, 199, 233)  
}
```

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, 199, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 199, 233) }
```

Border

The CSS property to change the border of an element to XYZ 64.6466, 61.9457, 85.6403 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, 199, 233) }
```


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

```
.border{ border-color:rgb(220, 199, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(220, 199, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 199, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 199, 233);  
box-shadow:4px 4px 4px 4px rgb(220, 199,  
233) }
```

Background

The CSS property to change the background color of an element to XYZ 64.6466, 61.9457, 85.6403 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 199, 233) }
```

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

```
.background{ background-color: rgb(220,  
199, 233) }
```

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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