

Converting Colors

XYZ(64.5885, 66.2427, 83.5107)

Have a look what the booklet for
XYZ(64.5885, 66.2427, 83.5107)
contains.

XYZ(64.5885, 66.2427, 83.5107)	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(64.5885, 66.2427,
83.5107)**

Conversions

Conversions Part 1

Format	Color
Hex	D4D3E5
RGB	212, 211, 229
RGB Percent	83%, 83%, 90%
CMY	0.1686, 0.1725, 0.1020
CMYK	0.07, 0.08, 0.00, 0.10
HSL	243°, 26%, 86%
HSV	243°, 8%, 90%
XYZ	64.5885, 66.2427, 83.5107
YIQ	213.3510, -5.1820, 5.8100

Conversions

Conversions Part 2

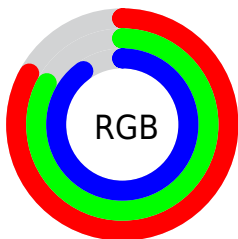
Format	Color
R _Y B	212, 211, 229
Decimal	13947877
CIE Lab	85.12, 3.72, -8.73
CIE LCh	85, 9.488, 293.096
Yxy	66.2427, 0.3013, 0.3091
Android (android.graphics.Color)	4292137957 (0xFFD4D3E5)
YUV	213.3510, 7.7150, -1.1848
Hunter-Lab	81.3896, -0.7793, -3.8624

Details

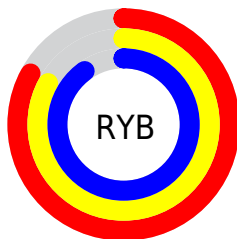
The XYZ color **64.5885, 66.2427, 83.5107** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **71.7745, 77.2375, 72.7566**, and the grayscale version is **63.4348, 66.7384, 72.6781**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **33.6016, 34.3380, 44.9013** is the 20% darker color. If you saturate the color by 10%, you get **53.4765, 52.6633, 81.4763**, and if you desaturate by 10%, it is **77.3503, 81.8792, 85.8573**.

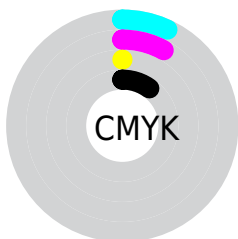
Distribution



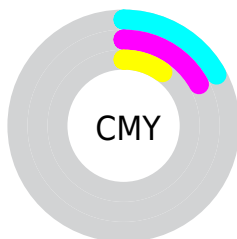
- Red (83%)
- Green (83%)
- Blue (90%)



- Red (83%)
- Yellow (83%)
- Blue (90%)



- Cyan (7%)
- Magenta (8%)
- Yellow (0%)
- Black (10%)



- Cyan (17%)
- Magenta (17%)
- Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 64.5885, 66.2427, 83.5107 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 64.5885, 66.2427, 83.5107 by changing the saturation by 10% instead.

■ 64.5885, 66.2427,
83.5107

■ 64.5885, 66.2427,
83.5107

430.8804,
447.2444, 526.7025

■ 47.3909, 48.4694,
62.0685

110.5270,
113.8346, 140.1461

■ 33.5541, 34.1988,
44.6519

139.9987,
144.4220, 176.1764

■ 22.7125, 23.0464,
30.8424

174.2925,
180.0497, 217.9065

■ 14.5009, 14.6277,
20.2214

213.7738,
221.1019, 265.7549

■ 8.5539, 8.5585,
12.3704

258.8078,
267.9630, 320.1402

■ 4.5061, 4.4544,
6.8709

309.7600,

■ 1.9923, 1.9308,

321.0176, 381.4808

3.3043

366.9958,
380.6499, 450.1954

■ 0.6296, 0.5668,
1.2520

■ 0.0000, 0.0000,
0.0220

■ 64.5885, 66.2427,
83.5107

■ 64.5885, 66.2427,
83.5107

■ 53.4765, 52.6633,
81.4763

■ 77.3503, 81.8792,
85.8573

■ 43.9413, 41.0475,
79.7368

■ 91.1431, 98.4372,
88.3263

■ 35.9133, 31.3069,
78.2798

■ 29.3152, 23.3432,
77.0904

■ 24.0629, 17.0490,
76.1523

■ 20.0637, 12.3055,
75.4475

■ 17.2128, 8.9779,
74.9555

■ 15.3885, 6.9088,
74.6523

■ 14.4332, 5.8858,
74.5051

Harmonies

Analogous

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



62.4687, 66.2427, 84.4609



64.5885, 66.2427, 83.5107



66.3073, 66.2427, 79.4320

Triad

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



64.5885, 66.2427, 83.5107



65.4632, 66.2427, 63.1142



58.9672, 66.2427, 70.7207

Complementary

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



64.5885, 66.2427, 83.5107



71.7745, 77.2375, 72.7566

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.



59.7305, 66.2427, 65.2843



64.5885, 66.2427, 83.5107



63.4573, 66.2427, 61.0565

Square

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



64.5885, 66.2427, 83.5107



66.8203, 66.2427, 67.6055



61.3624, 66.2427, 61.8279



59.2546, 66.2427, 76.8458

Rectangle

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



64.5885, 66.2427, 83.5107



66.9785, 66.2427, 75.6057



61.3624, 66.2427, 61.8279



59.1088, 66.2427, 68.7568

Sweetspot

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



64.5904, 66.2455, 83.5122



91.6943, 95.8868, 108.2829



68.7798, 75.0495, 84.9907



19.6615, 20.5668, 23.1835



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.



64.5904, 66.2455, 83.5122



80.6300, 82.3392, 106.2511



67.2278, 67.6051, 83.6356



13.6563, 13.9251, 18.1124



8.2100, 3.2983, 42.5871



0.6329, 0.2572, 3.1483

Inverse Universe

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



69.6132, 68.8509, 83.0226



87.9566, 86.1398, 105.5290



69.0227, 75.8189, 72.6278



14.9588, 14.6007, 17.9835



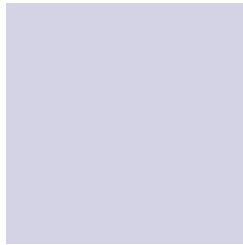
25.6000, 12.3742, 38.3843



1.9024, 0.9187, 2.8923

Previews

White Background



This preview shows how the XYZ color 64.5885, 66.2427, 83.5107 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 64.5885, 66.2427, 83.5107 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

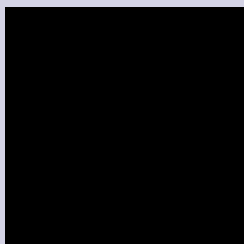
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 64.5885, 66.2427, 83.5107

Background



This preview shows how black text looks on a background with the XYZ color 64.5885, 66.2427, 83.5107.

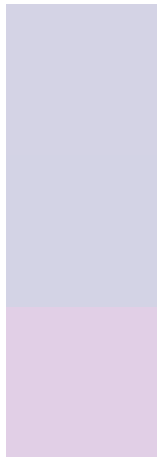


This preview shows how white text looks on a background with the XYZ color 64.5885, 66.2427, 83.5107.

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

64.5885, 66.2427, 83.5107

Protanopia

64.3011, 66.0946, 83.4972

Deuteranopia

67.6471, 66.3464, 84.1037



Tritanopia

64.4492, 66.1870, 82.7773

Trichromacy



Original Color

64.5885, 66.2427, 83.5107

Protanomaly

64.3011, 66.0946, 83.4972

Deuteranomaly

66.3540, 66.0406, 84.1128

Tritanomaly

64.4492, 66.1870, 82.7773

Monochromacy



Original Color

64.5885, 66.2427, 83.5107

Achromatopsia

63.2451, 66.5387, 72.4607

Achromatomaly

63.7702, 66.3476, 76.4631

CSS Examples

Text

The CSS property to change the color of the text to XYZ 64.5885, 66.2427, 83.5107 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(212, 211, 229) looks like.

```
.text, #text, p{  
    color:rgb(212, 211, 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(212, 211, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 211, 229) }
```

Border

The CSS property to change the border of an element to XYZ 64.5885, 66.2427, 83.5107 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(212, 211, 229) }
```


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

```
.border{ border-color:rgb(212, 211, 229) }
```

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

Here you see how a box with a 4 pixel `rgb(212, 211, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 211, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 211, 229);  
box-shadow:4px 4px 4px 4px rgb(212, 211,  
229) }
```

Background

The CSS property to change the background color of an element to XYZ 64.5885, 66.2427, 83.5107 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 211, 229) }
```

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

```
.background{ background-color: rgb(212,  
211, 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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