

Converting Colors

XYZ(64.4768, 66.0070, 85.3877)

Have a look what the booklet for
XYZ(64.4768, 66.0070, 85.3877)
contains.

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Color

**XYZ(64.7237, 66.2636,
85.7228)**

Conversions

Conversions Part 1

Format	Color
Hex	D3D3E8
RGB	211, 211, 232
RGB Percent	83%, 83%, 91%
CMY	0.1725, 0.1725, 0.0902
CMYK	0.09, 0.09, 0.00, 0.09
HSL	240°, 31%, 87%
HSV	240°, 9%, 91%
XYZ	64.7237, 66.2636, 85.7228
YIQ	213.3940, -6.7410, 6.5310

Conversions

Conversions Part 2

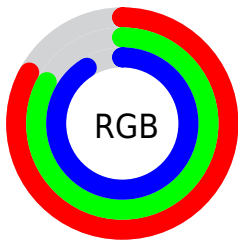
Format	Color
R _Y B	211, 211, 232
Decimal	13882344
CIE Lab	85.13, 3.98, -10.31
CIE LCh	85, 11.054, 291.118
Yxy	66.2636, 0.2987, 0.3058
Android (android.graphics.Color)	4292072424 (0xFFD3D3E8)
YUV	213.3940, 9.1728, -2.0995
Hunter-Lab	81.4025, -0.5276, -5.4550

Details

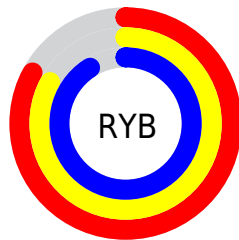
The XYZ color **64.7237, 66.2636, 85.7228** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **73.8934, 79.5716, 73.0935**, and the grayscale version is **63.4549, 66.7595, 72.7011**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **33.6037, 34.3165, 45.9269** is the 20% darker color. If you saturate the color by 10%, you get **53.1982, 52.3770, 83.6509**, and if you desaturate by 10%, it is **78.0440, 82.3134, 88.1197**.

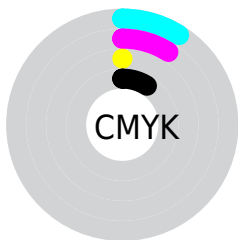
Distribution



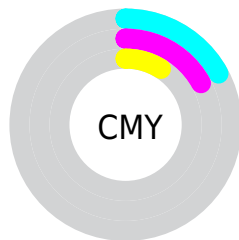
- Red (83%)
- Green (83%)
- Blue (91%)



- Red (83%)
- Yellow (83%)
- Blue (91%)



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



- Cyan (17%)
- Magenta (17%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 64.7237, 66.2636, 85.7228 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 64.7237, 66.2636, 85.7228 by changing the saturation by 10% instead.

■ 64.7237, 66.2636,
85.7228

■ 64.7237, 66.2636,
85.7228

431.3593,
447.3190, 534.2236

■ 47.5009, 48.4864,
63.8852

110.7205,
113.8646, 143.2657

■ 33.6414, 34.2123,
46.1121

140.2252,
144.4572, 179.8081

■ 22.7799, 23.0567,
31.9850

174.5545,
180.0904, 222.0892

■ 14.5508, 14.6354,
21.0853

214.0740,
221.1485, 270.5275

■ 8.5890, 8.5639,
12.9945

259.1488,
268.0161, 325.5415

■ 4.5291, 4.4578,
7.2941

310.1444,

■ 2.0056, 1.9328,

321.0774, 387.5498

3.5655

367.4261,
380.7169, 456.9710

■ 0.6371, 0.5680,
1.3901

■ 0.0000, 0.0000,
0.1340

■ 64.7237, 66.2636,
85.7228

■ 64.7237, 66.2636,
85.7228

■ 53.1982, 52.3770,
83.6509

■ 78.0440, 82.3134,
88.1197

■ 43.3851, 40.5532,
81.8859

■ 91.5657, 98.6063,
90.5519

■ 35.2047, 30.6965,
80.4145

■ 28.5684, 22.7002,
79.2208

■ 23.3792, 16.4475,
78.2874

■ 19.5294, 11.8084,
77.5949

■ 16.8959, 8.6350,
77.1212

■ 15.3335, 6.7519,
76.8401

■ 14.6175, 5.8890,
76.7112

Harmonies

Analogous

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



62.2446, 66.2636, 86.5748



64.7237, 66.2636, 85.7228



66.7856, 66.2636, 81.1111

Triad

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



64.7237, 66.2636, 85.7228



66.0375, 66.2636, 61.9861



58.3651, 66.2636, 70.0516

Complementary

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



64.7237, 66.2636, 85.7228



73.8934, 79.5716, 73.0935

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.



59.3248, 66.2636, 63.8741



64.7237, 66.2636, 85.7228



63.7243, 66.2636, 59.4233

Square

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



64.7237, 66.2636, 85.7228



67.5579, 66.2636, 67.3178



61.2710, 66.2636, 60.0909



58.6167, 66.2636, 77.2076

Rectangle

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



64.7237, 66.2636, 85.7228



67.6249, 66.2636, 76.6825



61.2710, 66.2636, 60.0909



58.5558, 66.2636, 67.7993

Sweetspot

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



64.7257, 66.2664, 85.7243



89.8996, 93.7943, 107.9736



70.2375, 77.3696, 87.3165



18.9551, 19.7299, 23.0592



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.



64.7257, 66.2664, 85.7243



77.1693, 78.4558, 105.6840



67.7254, 67.8117, 85.8644



13.5831, 13.8875, 18.1090



8.0865, 3.2350, 42.5814



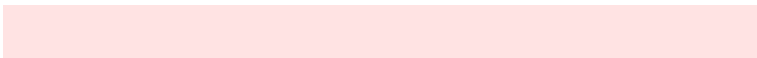
0.5976, 0.2392, 3.1466

Inverse Universe

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



68.3324, 68.4489, 71.2417



82.5542, 81.7143, 84.0612



70.6939, 77.9234, 72.9440



14.3771, 14.3680, 14.9204



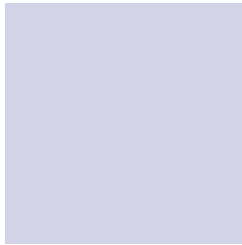
18.4752, 9.5243, 0.8654



1.3653, 0.7038, 0.0641

Previews

White Background



This preview shows how the XYZ color 64.7237, 66.2636, 85.7228 looks on a white background.

Color Contrast Check

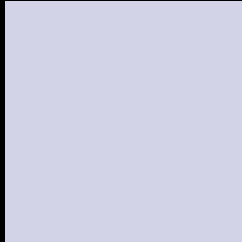
Large Text (above 18pt) WCAG AA × Fail

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 64.7237, 66.2636, 85.7228 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

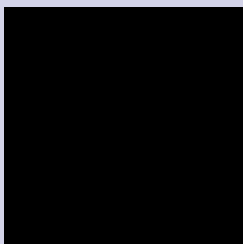
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 64.7237, 66.2636, 85.7228

Background



This preview shows how black text looks on a background with the XYZ color 64.7237, 66.2636, 85.7228.



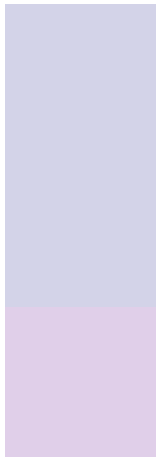
This preview shows how white text looks on a background with the XYZ color 64.7237, 66.2636,

85.7228.

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

64.7237, 66.2636, 85.7228

Protanopia

64.7237, 66.2636, 85.7228

Deuteranopia

67.7613, 66.3561, 86.3274



Tritanopia

64.1254, 66.3900, 82.8336

Trichromacy



Original Color

64.7237, 66.2636, 85.7228

Protanomaly

64.7237, 66.2636, 85.7228

Deuteranomaly

66.4773, 66.0550, 86.3370

Tritanomaly

64.2647, 66.4457, 83.5669

Monochromacy



Original Color

64.7237, 66.2636, 85.7228

Achromatopsia

63.2451, 66.5387, 72.4607

Achromatomaly

63.6131, 66.2513, 77.1452

CSS Examples

Text

The CSS property to change the color of the text to XYZ 64.7237, 66.2636, 85.7228 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(211, 211, 232) looks like.

```
.text, #text, p{  
    color:rgb(211, 211, 232)  
}
```

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(211, 211, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(211, 211, 232) }
```

Border

The CSS property to change the border of an element to XYZ 64.7237, 66.2636, 85.7228 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(211, 211, 232) }
```


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

```
.border{ border-color:rgb(211, 211, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(211, 211, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(211, 211, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(211, 211, 232);  
box-shadow:4px 4px 4px 4px rgb(211, 211,  
232) }
```

Background

The CSS property to change the background color of an element to XYZ 64.7237, 66.2636, 85.7228 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(211, 211, 232) }
```

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

```
.background{ background-color: rgb(211,  
211, 232) }
```

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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