

Converting Colors

XYZ(62.3569, 63.6955, 89.1287)

Have a look what the booklet for
XYZ(62.3569, 63.6955, 89.1287)
contains.

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Color

**XYZ(62.4705, 63.9227,
89.1665)**

Conversions

Conversions Part 1

Format	Color
Hex	CBD0ED
RGB	203, 208, 237
RGB Percent	80%, 82%, 93%
CMY	0.2039, 0.1843, 0.0706
CMYK	0.14, 0.12, 0.00, 0.07
HSL	231°, 49%, 86%
HSV	231°, 14%, 93%
XYZ	62.4705, 63.9227, 89.1665
YIQ	209.8110, -12.2890, 7.9590

Conversions

Conversions Part 2

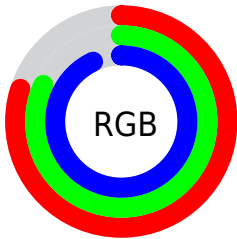
Format	Color
R _Y B	203, 207, 237
Decimal	13357293
CIE Lab	83.93, 4.01, -14.83
CIE LCh	84, 15.364, 285.139
Yxy	63.9227, 0.2898, 0.2965
Android (android.graphics.Color)	4291547373 (0xFFCBD0ED)
YUV	209.8110, 13.4042, -5.9732
Hunter-Lab	79.9517, -0.4439, -10.1573

Details

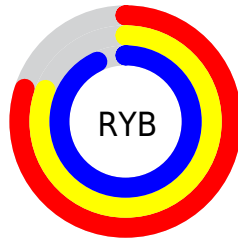
The XYZ color **62.4705, 63.9227, 89.1665** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **74.5614, 80.0291, 68.0185**, and the grayscale version is **61.0569, 64.2366, 69.9536**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **32.2905, 32.8370, 48.3523** is the 20% darker color. If you saturate the color by 10%, you get **51.8853, 51.6118, 87.3492**, and if you desaturate by 10%, it is **74.6742, 78.0036, 91.2422**.

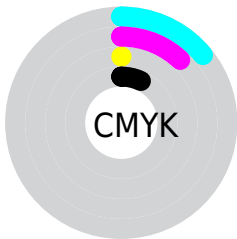
Distribution



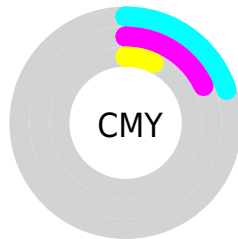
- Red (80%)
- Green (82%)
- Blue (93%)



- Red (80%)
- Yellow (81%)
- Blue (93%)



- Cyan (14%)
- Magenta (12%)
- Yellow (0%)
- Black (7%)



- Cyan (20%)
- Magenta (18%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 62.4705, 63.9227, 89.1665 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 62.4705, 63.9227, 89.1665 by changing the saturation by 10% instead.

■ 62.4705, 63.9227,
89.1665

■ 62.4705, 63.9227,
89.1665

423.3355,
438.9104, 545.8157

■ 45.6700, 46.5881,
66.7197

107.4914,
110.4996, 148.1055

■ 32.1890, 32.7101,
48.3967

136.4424,
140.5107, 185.4348

■ 21.6622, 21.9045,
33.7790

170.1744,
175.5160, 228.5620

■ 13.7241, 13.7867,
22.4479

209.0527,
215.9000, 277.9056

■ 8.0094, 7.9725,
13.9849

253.4426,
262.0470, 333.8843

■ 4.1528, 4.0773,
7.9715

303.7094,

■ 1.7890, 1.7169,

314.3415, 396.9165

3.9892

360.2186,
373.1679, 467.4208

■ 0.5110, 0.4346,
1.6194

■ 0.0000, 0.0000,
0.3046

■ 62.4705, 63.9227,
89.1665

■ 62.4705, 63.9227,
89.1665

■ 51.8853, 51.6118,
87.3492

■ 74.6742, 78.0036,
91.2422

■ 42.8446, 40.9928,
85.7760

■ 88.5548, 93.9127,
93.5814

■ 35.2773, 31.9936,
84.4378

■ 92.2863, 98.8945,
94.3463

■ 29.1043, 24.5337,
83.3233

■ 24.2389, 18.5255,
82.4200

■ 20.5847, 13.8727,
81.7145

■ 18.0313, 10.4665,
81.1916

■ 16.4470, 8.1808,
80.8340

■ 15.8835, 7.3091,
80.6954

Harmonies

Analogous

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



59.1044, 63.9227, 89.1942



62.4705, 63.9227, 89.1665



65.4826, 63.9227, 83.5789

Triad

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



62.4705, 63.9227, 89.1665



65.4591, 63.9227, 57.2192



54.6866, 63.9227, 64.9339

Complementary

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



62.4705, 63.9227, 89.1665



74.5614, 80.0291, 68.0185

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.



56.2636, 63.9227, 57.2754



62.4705, 63.9227, 89.1665



62.4394, 63.9227, 53.1102

Square

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



62.4705, 63.9227, 89.1665



67.2512, 63.9227, 64.8503



59.0744, 63.9227, 53.1298



54.6942, 63.9227, 74.5781

Rectangle

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



62.4705, 63.9227, 89.1665



66.8487, 63.9227, 77.7262



59.0744, 63.9227, 53.1298



55.0463, 63.9227, 62.0626

Sweetspot

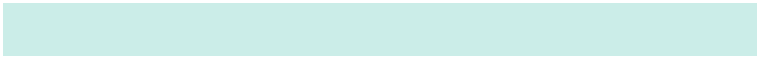
The Sweet Spot groups the original color and five complimentary colors.



62.4724, 63.9254, 89.1679



88.6838, 92.6912, 107.8248



69.4652, 79.0865, 87.8745



18.7334, 19.5539, 23.0369



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.



62.4724, 63.9254, 89.1679



70.1794, 71.3227, 104.6756



64.6382, 63.2595, 88.9253



14.4100, 14.9065, 19.0400



8.7294, 4.1057, 44.0754



0.7409, 0.4332, 3.4794

Inverse Universe

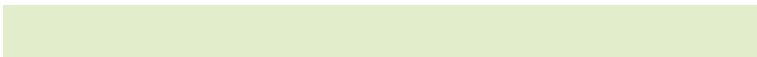
The Inverse Universe completely reimagines the original color for something new.



67.6676, 65.2719, 68.7098



77.3547, 73.2356, 76.4081



72.1473, 80.9049, 68.3148



15.1558, 15.0902, 16.1056



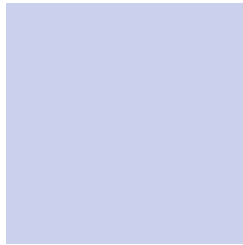
19.2615, 9.9073, 1.9123



1.5404, 0.7891, 0.2974

Previews

White Background



This preview shows how the XYZ color 62.4705, 63.9227, 89.1665 looks on a white background.

Color Contrast Check

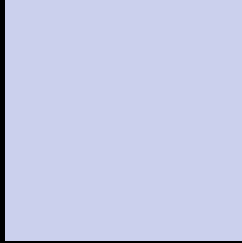
Large Text (above 18pt) WCAG AA × Fail

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 62.4705, 63.9227, 89.1665 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

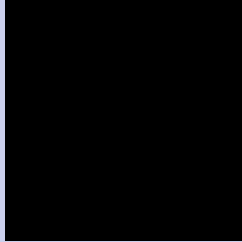
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 62.4705, 63.9227, 89.1665

Background



This preview shows how black text looks on a background with the XYZ color 62.4705, 63.9227, 89.1665.

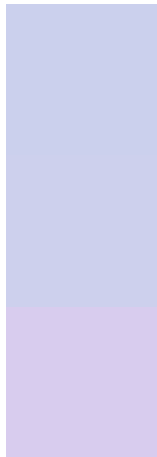


This preview shows how white text looks on a background with the XYZ color 62.4705, 63.9227,

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

62.4705, 63.9227, 89.1665

Protanopia

63.0188, 64.2053, 89.1922

Deuteranopia

65.3444, 63.9577, 89.7900



Tritanopia

60.8615, 64.0017, 81.0973

Trichromacy



Original Color

62.4705, 63.9227, 89.1665

Protanomaly

62.7438, 64.0635, 89.1793

Deuteranomaly

64.1279, 63.6846, 89.8014

Tritanomaly

61.4405, 63.8707, 83.9529

Monochromacy



Original Color

62.4705, 63.9227, 89.1665

Achromatopsia

61.2578, 64.4480, 70.1838

Achromatomaly

61.4509, 64.0336, 76.8311

CSS Examples

Text

The CSS property to change the color of the text to XYZ 62.4705, 63.9227, 89.1665 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(203, 208, 237)` looks like.

```
.text, #text, p{  
    color:rgb(203, 208, 237)  
}
```

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(203, 208, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 208, 237) }
```

Border

The CSS property to change the border of an element to XYZ 62.4705, 63.9227, 89.1665 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(203, 208, 237) }
```


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

```
.border{ border-color:rgb(203, 208, 237) }
```

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

Here you see how a box with a 4 pixel `rgb(203, 208, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 208, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 208, 237);  
box-shadow:4px 4px 4px 4px rgb(203, 208,  
237) }
```

Background

The CSS property to change the background color of an element to XYZ 62.4705, 63.9227, 89.1665 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 208, 237) }
```

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

```
.background{ background-color: rgb(203,  
208, 237) }
```

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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