

# Converting Colors

XYZ(65.7591, 62.7951, 88.7756)

Have a look what the booklet for  
XYZ(65.7591, 62.7951, 88.7756)  
contains.

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# Color

**XYZ(65.7591, 62.7951,  
88.7756)**

# Conversions

## Conversions Part 1

Format	Color
Hex	<code>DDC8ED</code>
RGB	<code>221, 200, 237</code>
RGB Percent	<code>87%, 78%, 93%</code>
CMY	<code>0.1333, 0.2157, 0.0706</code>
CMYK	<code>0.07, 0.16, 0.00, 0.07</code>
HSL	<code>274°, 51%, 86%</code>
HSV	<code>274°, 16%, 93%</code>
XYZ	<code>65.7591, 62.7951, 88.7756</code>
YIQ	<code>210.4970, 0.6390, 15.9590</code>

# Conversions

## Conversions Part 2

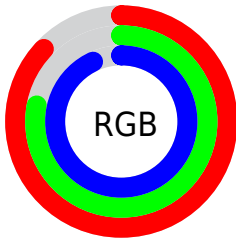
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	221, 200, 237
Decimal	14534893
CIE Lab	83.33, 14.06, -15.58
CIE LCh	83, 20.982, 312.069
Yxy	62.7951, 0.3026, 0.2889
Android (android.graphics.Color)	4292724973 (0xFFDDC8ED)
YUV	210.4970, 13.0660, 9.2111
Hunter-Lab	79.2434, 9.4501, -10.9517

# Details

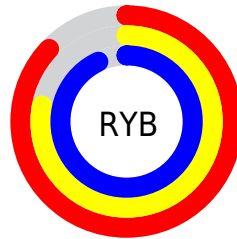
The XYZ color **65.7591, 62.7951, 88.7756** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **69.0307, 79.3391, 66.3223**, and the grayscale version is **61.5032, 64.7062, 70.4651**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **34.3453, 32.0010, 48.0827** is the 20% darker color. If you saturate the color by 10%, you get **57.6645, 51.0972, 86.9453**, and if you desaturate by 10%, it is **74.8988, 76.2982, 90.9012**.

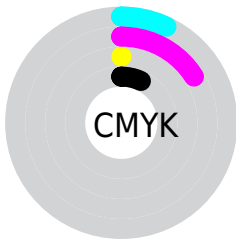
# Distribution



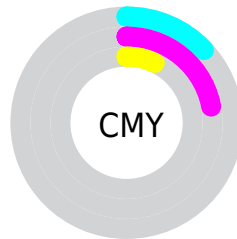
- Red (87%)
- Green (78%)
- Blue (93%)



- Red (87%)
- Yellow (78%)
- Blue (93%)



- Cyan (7%)
- Magenta (16%)
- Yellow (0%)
- Black (7%)



- Cyan (13%)
- Magenta (22%)
- Yellow (7%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 65.7591, 62.7951, 88.7756 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 65.7591, 62.7951, 88.7756 by changing the saturation by 10% instead.



65.7591, 62.7951,  
88.7756

65.7591, 62.7951,  
88.7756

435.0171,  
434.8255, 544.5068

48.3439, 45.6755,  
66.3976

112.2002,  
108.8739, 147.5571

34.3117, 31.9898,  
48.1367

141.9567,  
138.6018, 184.7977

23.2971, 21.3537,  
33.5744

176.5577,  
173.3012, 227.8295

14.9350, 13.3828,  
22.2921

216.3685,  
213.3566, 277.0712

8.8598, 7.6927,  
13.8713

261.7545,  
259.1523, 332.9412

4.7062, 3.8989,  
7.8935

313.0810,

2.1089, 1.6172,

311.0728, 395.8581

3.9401

370.7134,  
369.5024, 466.2405

■ 0.6941, 0.3691,  
1.5925

■ 0.0000, 0.0000,  
0.2855

■ 65.7591, 62.7951,  
88.7756

■ 65.7591, 62.7951,  
88.7756

■ 57.6645, 51.0972,  
86.9453

■ 74.8988, 76.2982,  
90.9012

■ 50.5668, 41.1165,  
85.3929

■ 85.1178, 91.6731,  
93.3303

■ 44.4225, 32.7697,  
84.1056

■ 91.1007, 98.2833,  
94.2908

■ 39.1820, 25.9631,  
83.0680

■ 92.2863, 98.8945,  
94.3463

■ 34.7908, 20.5933,  
82.2630

■ 31.1879, 16.5436,  
81.6712

■ 28.3024, 13.6781,  
81.2702

■ 26.0477, 11.8299,  
81.0323

■ 25.1988, 11.2246,  
80.9602

# Harmonies

## Analogous

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



61.5384, 62.7951, 96.0087



65.7591, 62.7951, 88.7756



68.4284, 62.7951, 76.4053

# Triad

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



65.7591, 62.7951, 88.7756



62.4272, 62.7951, 47.1430



51.5090, 62.7951, 73.7632

# Complementary

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



65.7591, 62.7951, 88.7756



69.0307, 79.3391, 66.3223

# 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.



51.7198, 62.7951, 60.9247



65.7591, 62.7951, 88.7756



57.8689, 62.7951, 46.6258

# Square

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



65.7591, 62.7951, 88.7756



66.4383, 62.7951, 52.8802



53.9967, 62.7951, 51.3638



53.4053, 62.7951, 86.6304



# Rectangle

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



65.7591, 62.7951, 88.7756



68.8900, 62.7951, 67.4699



53.9967, 62.7951, 51.3638



51.3386, 62.7951, 69.2845

# Sweetspot

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



65.7610, 62.7978, 88.7770



89.1170, 91.1024, 107.4953



63.6723, 67.5251, 89.7995



18.9018, 19.2416, 22.9677



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.



65.7610, 62.7978, 88.7770



74.2011, 69.1283, 104.0400



70.5092, 65.2869, 87.1308



15.0494, 14.9708, 19.0187



13.9108, 6.2072, 44.2079



1.2023, 0.5441, 3.4765



# Inverse Universe

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



67.9762, 64.2737, 73.7921



77.3786, 71.2418, 82.7102



64.8219, 77.1358, 67.6424



15.3359, 15.1622, 17.0543



20.4536, 10.3841, 8.1901

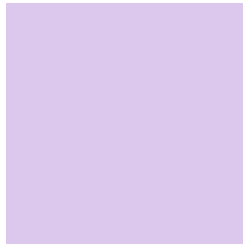


1.6535, 0.8344, 0.8929



# Previews

## White Background



This preview shows how the XYZ color 65.7591, 62.7951, 88.7756 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

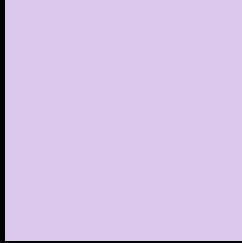
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 65.7591, 62.7951, 88.7756 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 65.7591, 62.7951, 88.7756

## Background



This preview shows how black text looks on a background with the XYZ color 65.7591, 62.7951, 88.7756.



This preview shows how white text looks on a background with the XYZ color 65.7591, 62.7951,



# 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

65.7591, 62.7951, 88.7756

### Protanopia

62.0359, 62.9110, 92.0925

### Deuteranopia

64.1381, 62.6516, 88.8333



## Tritanopia

63.0556, 62.7318, 75.8029

# Trichromacy



## Original Color

65.7591, 62.7951, 88.7756

## Protanomaly

63.3335, 62.8869, 91.2384

## Deuteranomaly

64.7880, 62.6394, 88.7967

## Tritanomaly

64.0614, 62.7921, 80.6952

# Monochromacy



## Original Color

65.7591, 62.7951, 88.7756

## Achromatopsia

61.9161, 65.1406, 70.9381

## Achromatomaly

63.2554, 64.2400, 76.7758

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 65.7591, 62.7951, 88.7756 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(221, 200, 237)` looks like.

```
.text, #text, p{  
    color:rgb(221, 200, 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(221, 200, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 200, 237) }
```

## Border

The CSS property to change the border of an element to XYZ 65.7591, 62.7951, 88.7756 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(221, 200, 237) }
```



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

```
.border{ border-color:rgb(221, 200, 237) }
```

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

Here you see how a box with a 4 pixel `rgb(221, 200, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 200, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 200, 237);  
box-shadow:4px 4px 4px 4px rgb(221, 200,  
237) }
```

# Background

The CSS property to change the background color of an element to XYZ 65.7591, 62.7951, 88.7756 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 200, 237) }
```

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

```
.background{ background-color: rgb(221,  
200, 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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