

# Converting Colors

XYZ(66.3680, 63.6575, 91.3987)

Have a look what the booklet for  
XYZ(66.3680, 63.6575, 91.3987)  
contains.

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# Color

**XYZ(66.3639, 63.7480,  
91.2449)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DCCAFO
RGB	220, 202, 240
RGB Percent	86%, 79%, 94%
CMY	0.1372, 0.2078, 0.0588
CMYK	0.08, 0.16, 0.00, 0.06
HSL	268°, 56%, 87%
HSV	268°, 16%, 94%
XYZ	66.3639, 63.7480, 91.2449
YIQ	211.7140, -1.4700, 15.6340

# Conversions

## Conversions Part 2

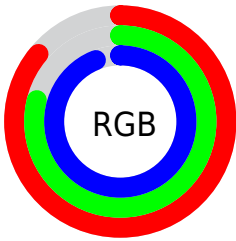
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	220, 202, 240
Decimal	14469872
CIE Lab	83.83, 13.26, -16.43
CIE LCh	84, 21.110, 308.895
Yxy	63.7480, 0.2998, 0.2880
Android (android.graphics.Color)	4292659952 (0xFFDCCA F0)
YUV	211.7140, 13.9450, 7.2668
Hunter-Lab	79.8423, 8.6427, -11.8678

# Details

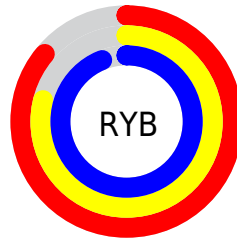
The XYZ color **66.3639, 63.7480, 91.2449** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **71.9473, 82.1157, 67.9381**, and the grayscale version is **62.3022, 65.5468, 71.3805**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **34.7587, 32.6398, 49.8155** is the 20% darker color. If you saturate the color by 10%, you get **57.4852, 51.4527, 89.3406**, and if you desaturate by 10%, it is **76.4111, 77.9490, 93.4574**.

# Distribution



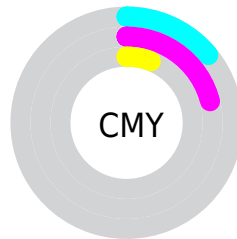
- Red (86%)
- Green (79%)
- Blue (94%)



- Red (86%)
- Yellow (79%)
- Blue (94%)



- Cyan (8%)
- Magenta (16%)
- Yellow (0%)
- Black (6%)



- Cyan (14%)
- Magenta (21%)
- Yellow (6%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 66.3639, 63.7480, 91.2449 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 66.3639, 63.7480, 91.2449 by changing the saturation by 10% instead.



66.3639, 63.7480,  
91.2449

66.3639, 63.7480,  
91.2449

437.1453,  
438.2791, 552.7464

48.8367, 46.4466,  
68.4341

113.0633,  
110.2479, 151.0170

34.7039, 32.5984,  
49.7821

142.9662,  
140.2153, 188.8154

23.6003, 21.8190,  
34.8703

177.7250,  
175.1733, 232.4467

15.1605, 13.7239,  
23.2802

217.7051,  
215.5066, 282.3295

9.0192, 7.9289,  
14.5933

263.2718,  
261.5994, 338.8824

4.8109, 4.0495,  
8.3910

314.7905,

2.1704, 1.7013,

313.8361, 402.5238

4.2548

372.6266,  
372.6012, 473.6723

■ 0.7270, 0.4245,  
1.7662

■ 0.0000, 0.0000,  
0.4055

■ 66.3639, 63.7480,  
91.2449

■ 66.3639, 63.7480,  
91.2449

■ 57.4852, 51.4527,  
89.3406

■ 76.4111, 77.9490,  
93.4574

■ 49.7225, 40.9712,  
87.7266

■ 87.6650, 94.1263,  
95.9868

■ 43.0277, 32.2156,  
86.3895

■ 92.7284, 99.0713,  
96.6744

■ 37.3465, 25.0876,  
85.3131

■ 32.6193, 19.4785,  
84.4796

■ 28.7794, 15.2658,  
83.8688

■ 25.7498, 12.3069,  
83.4574

■ 23.4367, 10.4263,  
83.2163

■ 22.6257, 9.8471,  
83.1472

# Harmonies

## Analogous

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



61.9799, 63.7480, 97.8227



66.3639, 63.7480, 91.2449



69.2962, 63.7480, 79.0187

# Triad

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



66.3639, 63.7480, 91.2449



63.8585, 63.7480, 48.2075



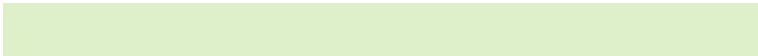
52.2006, 63.7480, 73.4349

# Complementary

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



66.3639, 63.7480, 91.2449



71.9473, 82.1157, 67.9381

# 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.



52.6464, 63.7480, 60.6150



66.3639, 63.7480, 91.2449



59.2222, 63.7480, 47.1132

# Square

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



66.3639, 63.7480, 91.2449



67.7992, 63.7480, 54.5785



55.1622, 63.7480, 51.3711



53.9119, 63.7480, 86.7127



# Rectangle

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



66.3639, 63.7480, 91.2449



69.9506, 63.7480, 69.9044



55.1622, 63.7480, 51.3711



52.1051, 63.7480, 68.9194

# Sweetspot

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



66.3658, 63.7507, 91.2463



88.6905, 90.8825, 107.4753



66.2798, 71.2345, 92.6954



18.7982, 19.1882, 22.9629



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.



66.3658, 63.7507, 91.2463



72.7263, 68.3680, 103.9710



72.3572, 66.8393, 91.5267



15.6094, 15.5958, 19.9092



12.5368, 5.4683, 45.5226



1.1570, 0.5137, 3.7924



# Inverse Universe

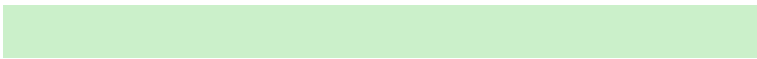
The Inverse Universe completely reimagines the original color for something new.



70.2427, 66.0431, 78.1557



78.0168, 71.4970, 86.0708



66.5243, 79.3201, 67.6843



16.1204, 15.8979, 18.1903



21.8123, 10.9973, 12.1941



1.8648, 0.9350, 1.2791



# Previews

## White Background



This preview shows how the XYZ color 66.3639, 63.7480, 91.2449 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

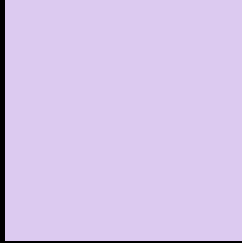
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 66.3639, 63.7480, 91.2449 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

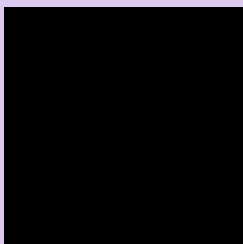
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 66.3639, 63.7480, 91.2449**

## **Background**



This preview shows how black text looks on a background with the XYZ color 66.3639, 63.7480, 91.2449.



This preview shows how white text looks on a background with the XYZ color 66.3639, 63.7480,



# 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

66.3639, 63.7480, 91.2449

### Protanopia

62.9991, 63.7139, 94.5655

### Deuteranopia

65.3454, 63.9241, 91.3326



## Tritanopia

63.4977, 63.6348, 77.3427

# Trichromacy



## Original Color

66.3639, 63.7480, 91.2449

## Protanomaly

64.3035, 63.6890, 93.6981

## Deuteranomaly

65.6994, 63.7549, 91.2813

## Tritanomaly

64.5099, 63.6926, 82.2927

# Monochromacy



## Original Color

66.3639, 63.7480, 91.2449

## Achromatopsia

62.5785, 65.8375, 71.6970

## Achromatomaly

63.7650, 64.8327, 78.2604

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 66.3639, 63.7480, 91.2449 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, 202, 240)` looks like.

```
.text, #text, p{  
    color:rgb(220, 202, 240)  
}
```

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, 202, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 202, 240) }
```

## Border

The CSS property to change the border of an element to XYZ 66.3639, 63.7480, 91.2449 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, 202, 240) }
```



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

```
.border{ border-color:rgb(220, 202, 240) }
```

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

Here you see how a box with a 4 pixel `rgb(220, 202, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 202, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 202, 240);  
box-shadow:4px 4px 4px 4px rgb(220, 202,  
240) }
```

# Background

The CSS property to change the background color of an element to XYZ 66.3639, 63.7480, 91.2449 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 202, 240) }
```

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

```
.background{ background-color: rgb(220,  
202, 240) }
```

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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