

# Converting Colors

XYZ(63.3547, 62.2031, 86.9618)

Have a look what the booklet for  
XYZ(63.3547, 62.2031, 86.9618)  
contains.

<b>XYZ(63.5565, 62.3854, 87.2891)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(63.5565, 62.3854,  
87.2891)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	D5CAEB
RGB	213, 202, 235
RGB Percent	84%, 79%, 92%
CMY	0.1647, 0.2078, 0.0784
CMYK	0.09, 0.14, 0.00, 0.08
HSL	260°, 45%, 86%
HSV	260°, 14%, 92%
XYZ	63.5565, 62.3854, 87.2891
YIQ	209.0510, -4.0370, 12.5950

# Conversions

## Conversions Part 2

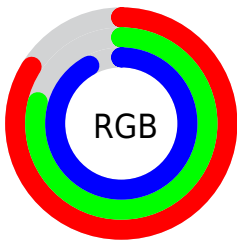
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	213, 202, 235
Decimal	14011115
CIE Lab	83.12, 10.00, -14.90
CIE LCh	83, 17.944, 303.862
Yxy	62.3854, 0.2981, 0.2926
Android (android.graphics.Color)	4292201195 (0xFFD5CAEB)
YUV	209.0510, 12.7929, 3.4633
Hunter-Lab	78.9844, 5.4111, -10.2348

# Details

The XYZ color **63.5565, 62.3854, 87.2891** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **71.1118, 79.5299, 67.4830**, and the grayscale version is **60.5603, 63.7142, 69.3847**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **32.8271, 31.7036, 47.0371** is the 20% darker color. If you saturate the color by 10%, you get **54.1301, 49.9557, 85.3877**, and if you desaturate by 10%, it is **74.2654, 76.7259, 89.4936**.

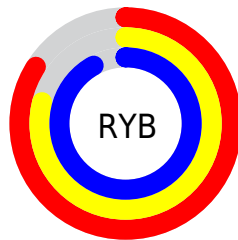
# Distribution



Red (84%)

Green (79%)

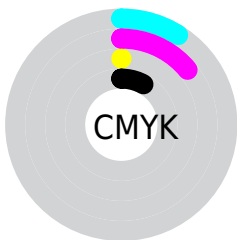
Blue (92%)



Red (84%)

Yellow (79%)

Blue (92%)

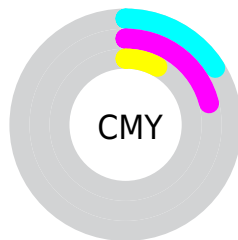


Cyan (9%)

Magenta (14%)

Yellow (0%)

Black (8%)



Cyan (16%)

Magenta (21%)

Yellow (8%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 63.5565, 62.3854, 87.2891 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 63.5565, 62.3854, 87.2891 by changing the saturation by 10% instead.



63.5565, 62.3854,  
87.2891

63.5565, 62.3854,  
87.2891

427.2140,  
433.3355, 539.5132

46.5519, 45.3442,  
65.1735

109.0493,  
108.2823, 145.4694

32.8880, 31.7286,  
47.1495

138.2682,  
137.9069, 182.3713

22.1995, 21.1543,  
32.7987

172.2892,  
172.4946, 225.0389

14.1210, 13.2368,  
21.7024

211.4778,  
212.4300, 273.8909

8.2871, 7.5918,  
13.4422

256.1991,  
258.0974, 329.3458

4.3326, 3.8349,  
7.5994

306.8187,

1.8919, 1.5816,

309.8811, 391.8221

3.7557

363.7019,  
368.1657, 461.7384

■ 0.5721, 0.3452,  
1.4923

■ 0.0000, 0.0000,  
0.2122

■ 63.5565, 62.3854,  
87.2891

■ 63.5565, 62.3854,  
87.2891

■ 54.1301, 49.9557,  
85.3877

■ 74.2654, 76.7259,  
89.4936

■ 45.9302, 39.3469,  
83.7722

■ 86.2985, 93.0465,  
92.0096

■ 38.9052, 30.4734,  
82.4297

■ 91.9956, 98.7782,  
92.8157

■ 32.9970, 23.2396,  
81.3448

■ 28.1424, 17.5403,  
80.5006

■ 24.2713, 13.2576,  
79.8780

■ 21.3038, 10.2558,  
79.4550

■ 19.1448, 8.3704,  
79.2049

■ 18.1638, 7.6315,  
79.1140

# Harmonies

## Analogous

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



59.8000, 62.3854, 91.5901



63.5565, 62.3854, 87.2891



66.2587, 62.3854, 77.7961

# Triad

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



63.5565, 62.3854, 87.2891



62.6481, 62.3854, 50.4721



52.1492, 62.3854, 69.3783

# Complementary

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



63.5565, 62.3854, 87.2891



71.1118, 79.5299, 67.4830

# 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.



52.8380, 62.3854, 58.9301



63.5565, 62.3854, 87.2891



58.7937, 62.3854, 48.7371

# Square

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



63.5565, 62.3854, 87.2891



65.7183, 62.3854, 56.6888



55.2292, 62.3854, 51.6635



53.3053, 62.3854, 80.5603



# Rectangle

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



63.5565, 62.3854, 87.2891



67.0384, 62.3854, 70.2409



55.2292, 62.3854, 51.6635



52.1730, 62.3854, 65.6647

# Sweetspot

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



63.5584, 62.3880, 87.2905



89.4241, 92.3968, 107.7290



66.1584, 72.1643, 89.0404



18.9202, 19.4799, 23.0127



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.



63.5584, 62.3880, 87.2905



72.9007, 70.3167, 104.3379



68.4151, 64.8917, 87.5178



14.7042, 14.7928, 19.0025



10.2297, 4.3095, 44.0356



0.9019, 0.3893, 3.4625



# Inverse Universe

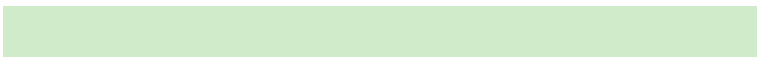
The Inverse Universe completely reimagines the original color for something new.



68.8382, 65.2878, 79.4978



80.5065, 74.4963, 93.0052



66.3977, 77.0997, 67.2624



15.4890, 15.2235, 17.8604



22.5012, 11.2032, 18.9727



1.8112, 0.8974, 1.7232



# Previews

## White Background



This preview shows how the XYZ color 63.5565, 62.3854, 87.2891 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

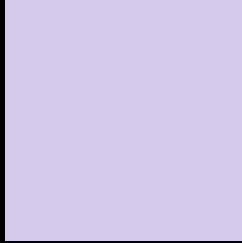
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 63.5565, 62.3854, 87.2891 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

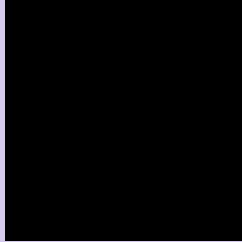
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 63.5565, 62.3854, 87.2891

## Background



This preview shows how black text looks on a background with the XYZ color 63.5565, 62.3854, 87.2891.



This preview shows how white text looks on a background with the XYZ color 63.5565, 62.3854,



# 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

63.5565, 62.3854, 87.2891

### Protanopia

61.4745, 62.3336, 88.9123

### Deuteranopia

63.8475, 62.5354, 87.3027



## Tritanopia

61.5080, 62.2551, 77.1812

# Trichromacy



## Original Color

63.5565, 62.3854, 87.2891

## Protanomaly

62.1868, 62.3637, 88.1167

## Deuteranomaly

63.8475, 62.5354, 87.3027

## Tritanomaly

62.2348, 62.1999, 80.6772

# Monochromacy



## Original Color

63.5565, 62.3854, 87.2891

## Achromatopsia

60.6036, 63.7597, 69.4343

## Achromatomaly

61.3045, 62.9062, 75.2407

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 63.5565, 62.3854, 87.2891 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(213, 202, 235)` looks like.

```
.text, #text, p{  
    color:rgb(213, 202, 235)  
}
```

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(213, 202, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(213, 202, 235) }
```

## Border

The CSS property to change the border of an element to XYZ 63.5565, 62.3854, 87.2891 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(213, 202, 235) }
```



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

```
.border{ border-color:rgb(213, 202, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(213, 202, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(213, 202, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(213, 202, 235);  
box-shadow:4px 4px 4px 4px rgb(213, 202,  
235) }
```

# Background

The CSS property to change the background color of an element to XYZ 63.5565, 62.3854, 87.2891 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(213, 202, 235) }
```

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

```
.background{ background-color: rgb(213,  
202, 235) }
```

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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