

# Converting Colors

XYZ(63.1741, 56.8031, 83.8291)

Have a look what the booklet for  
XYZ(63.1741, 56.8031, 83.8291)  
contains.

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# Color

**XYZ(63.1757, 56.9516,  
84.0070)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	E1BAE8
RGB	225, 186, 232
RGB Percent	88%, 73%, 91%
CMY	0.1176, 0.2706, 0.0902
CMYK	0.03, 0.20, 0.00, 0.09
HSL	291°, 50%, 82%
HSV	291°, 20%, 91%
XYZ	63.1757, 56.9516, 84.0070
YIQ	202.9050, 8.4780, 22.5740

# Conversions

## Conversions Part 2

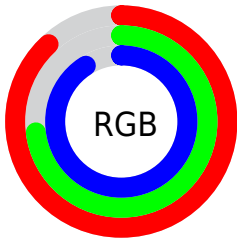
Format	Color
R <sub>Y</sub> B	225, 186, 232
Decimal	14793448
CIE Lab	80.15, 21.91, -17.65
CIE LCh	80, 28.135, 321.133
Yxy	56.9516, 0.3095, 0.2790
Android (android.graphics.Color)	4292983528 (0xFFE1BAE8)
YUV	202.9050, 14.3438, 19.3773
Hunter-Lab	75.4663, 17.3632, -13.1736

# Details

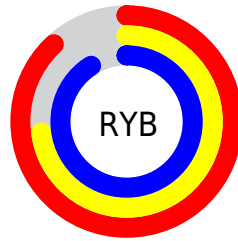
The XYZ color **63.1757, 56.9516, 84.0070** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **59.7140, 72.5974, 57.3227**, and the grayscale version is **56.6158, 59.5642, 64.8654**.

A 20% lighter version of the original color is **91.0421, 91.9843, 107.5640**, and **32.5862, 28.3447, 44.8279** is the 20% darker color. If you saturate the color by 10%, you get **57.5906, 47.3976, 82.4581**, and if you desaturate by 10%, it is **69.5805, 68.1092, 85.8239**.

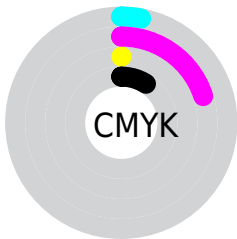
# Distribution



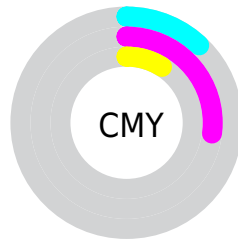
- Red (88%)
- Green (73%)
- Blue (91%)



- Red (88%)
- Yellow (73%)
- Blue (91%)



- Cyan (3%)
- Magenta (20%)
- Yellow (0%)
- Black (9%)




- Cyan (12%)
- Magenta (27%)
- Yellow (9%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 63.1757, 56.9516, 84.0070 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 63.1757, 56.9516, 84.0070 by changing the saturation by 10% instead.





 63.1757, 56.9516,  
84.0070

 63.1757, 56.9516,  
84.0070


425.8564,  
413.2679, 528.3951

 46.2425, 40.9664,  
62.4758


 108.5033,  
100.3946, 140.8468

 32.6427, 28.2928,  
44.9790


137.6285,  
128.6211, 176.9924

 22.0108, 18.5465,  
31.0981


171.5485,  
161.6969, 218.8467

 13.9815, 11.3431,  
20.4144

210.6285,  
200.0062, 266.8280

 8.1894, 6.2981,  
12.5096

255.2339,  
243.9337, 321.3550

 4.2692, 3.0272,  
6.9650

305.7301,

 1.8555, 1.1459,

293.8635, 382.8461

3.3621

362.4825,  
350.1801, 451.7200

■ 0.5508, 0.0169,  
1.2824

■ 0.0000, 0.0000,  
0.0473

■ 63.1757, 56.9516,  
84.0070

■ 63.1757, 56.9516,  
84.0070

■ 57.5906, 47.3976,  
82.4581

■ 69.5805, 68.1092,  
85.8239

■ 52.7817, 39.3634,  
81.1608

■ 76.8356, 80.9343,  
87.9170

■ 48.7090, 32.7684,  
80.1025

■ 84.7829, 95.1096,  
90.2343

■ 45.3273, 27.5219,  
79.2681

■ 85.9641, 95.7186,  
90.2896

42.5856, 23.5228,  
78.6406

87.1687, 96.3396,  
90.3459

40.4262, 20.6553,  
78.2010

88.3967, 96.9726,  
90.4034

38.7803, 18.7822,  
77.9262

89.6483, 97.6178,  
90.4620

37.5322, 17.6725,  
77.7778

90.9235, 98.2752,  
90.5216

37.5117, 17.6554,  
77.7756

91.5657, 98.6063,  
90.5517

# Harmonies

## Analogous

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



58.2033, 56.9516, 96.3664



63.1757, 56.9516, 84.0070



65.7698, 56.9516, 67.0055

# Triad

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



63.1757, 56.9516, 84.0070



55.8479, 56.9516, 35.7547



44.4856, 56.9516, 74.1039

# Complementary

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



63.1757, 56.9516, 84.0070



59.7140, 72.5974, 57.3227

# 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.



43.9529, 56.9516, 57.2703



63.1757, 56.9516, 84.0070



50.2528, 56.9516, 36.9779

# Square

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



63.1757, 56.9516, 84.0070



61.3473, 56.9516, 40.5339



45.9932, 56.9516, 44.2339



47.5036, 56.9516, 89.9836



# Rectangle

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



63.1757, 56.9516, 84.0070



65.6837, 56.9516, 56.1121



45.9932, 56.9516, 44.2339



44.0188, 56.9516, 68.3086

# Sweetspot

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



63.1774, 56.9541, 84.0082



89.5104, 90.1847, 107.2974



54.0353, 54.7034, 84.0557



19.0349, 19.0845, 22.9304



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.



63.1774, 56.9541, 84.0082



75.1934, 65.2508, 103.2393



63.3205, 57.2686, 73.1369



14.7683, 14.4983, 18.1644



20.9110, 9.8459, 43.1815



1.6038, 0.7578, 3.1937



# Inverse Universe

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



60.4653, 56.1265, 58.1016



71.2803, 64.0718, 65.1811



59.6903, 72.3866, 66.2925



14.4659, 14.4036, 15.3881



18.6748, 9.6041, 1.9164

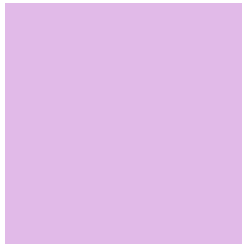


1.4078, 0.7208, 0.2878



# Previews

## White Background



This preview shows how the XYZ color 63.1757, 56.9516, 84.0070 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

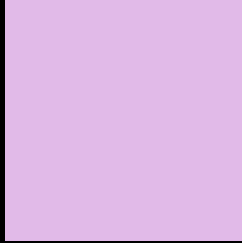
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 63.1757, 56.9516, 84.0070 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

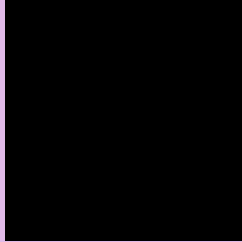
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 63.1757, 56.9516, 84.0070**

## **Background**



This preview shows how black text looks on a background with the XYZ color 63.1757, 56.9516, 84.0070.



This preview shows how white text looks on a background with the XYZ color 63.1757, 56.9516,



# 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

63.1757, 56.9516, 84.0070

### Protanopia

56.9296, 57.1709, 90.4727

### Deuteranopia

58.2033, 56.9933, 82.7961



## Tritanopia

59.5902, 57.0900, 66.2712

# Trichromacy



## Original Color

63.1757, 56.9516, 84.0070

## Protanomaly

58.9846, 56.9509, 88.0046

## Deuteranomaly

59.9186, 56.8800, 83.4222

## Tritanomaly

60.5875, 56.8311, 72.0662

# Monochromacy



## Original Color

63.1757, 56.9516, 84.0070

## Achromatopsia

56.7640, 59.7202, 65.0353

## Achromatomaly

58.9678, 58.6364, 71.8284

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 63.1757, 56.9516, 84.0070 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(225, 186, 232)` looks like.

```
.text, #text, p{  
    color:rgb(225, 186, 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(225, 186, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 186, 232) }
```

## Border

The CSS property to change the border of an element to XYZ 63.1757, 56.9516, 84.0070 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(225, 186, 232) }
```



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

```
.border{ border-color:rgb(225, 186, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(225, 186, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(225, 186, 232); -webkit-box-shadow:4px 4px 4px 4px rgb(225, 186, 232); box-shadow:4px 4px 4px 4px rgb(225, 186, 232) }
```

# Background

The CSS property to change the background color of an element to XYZ 63.1757, 56.9516, 84.0070 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 186, 232) }
```

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

```
.background{ background-color: rgb(225,  
186, 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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