

# Converting Colors

XYZ(64.2299, 55.4919, 84.6975)

Have a look what the booklet for  
XYZ(64.2299, 55.4919, 84.6975)  
contains.

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# Color

**XYZ(64.3079, 55.6815,  
84.4490)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E8B4E9
RGB	232, 180, 233
RGB Percent	91%, 71%, 91%
CMY	0.0902, 0.2941, 0.0863
CMYK	0.00, 0.23, 0.00, 0.09
HSL	299°, 55%, 81%
HSV	299°, 23%, 91%
XYZ	64.3079, 55.6815, 84.4490
YIQ	201.5900, 13.9790, 27.5070

# Conversions

## Conversions Part 2

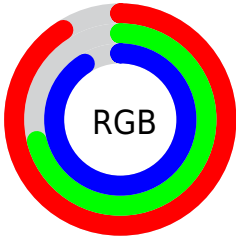
Format	Color
R <sub>Y</sub> B	232, 180, 233
Decimal	15250665
CIE Lab	79.43, 27.60, -19.22
CIE LCh	79, 33.632, 325.152
Yxy	55.6815, 0.3146, 0.2724
Android (android.graphics.Color)	4293440745 (0xFFE8B4E9)
YUV	201.5900, 15.4851, 26.6696
Hunter-Lab	74.6200, 23.2471, -14.8657

# Details

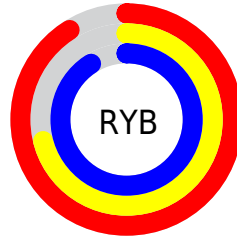
The XYZ color **64.3079, 55.6815, 84.4490** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **56.4352, 71.3983, 53.9896**, and the grayscale version is **55.7857, 58.6909, 63.9144**.

A 20% lighter version of the original color is **89.2855, 88.4709, 106.9785**, and **33.4297, 27.5832, 45.1571** is the 20% darker color. If you saturate the color by 10%, you get **59.8519, 46.9801, 83.0051**, and if you desaturate by 10%, it is **69.5583, 65.9692, 86.1588**.

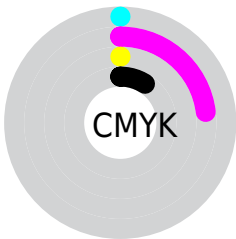
# Distribution



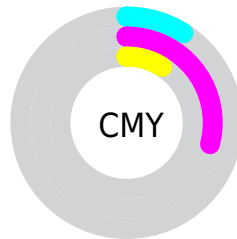
- Red (91%)
- Green (71%)
- Blue (91%)



- Red (91%)
- Yellow (71%)
- Blue (91%)



- Cyan (0%)
- Magenta (23%)
- Yellow (0%)
- Black (9%)




- Cyan (9%)
- Magenta (29%)
- Yellow (9%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 64.3079, 55.6815, 84.4490 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 64.3079, 55.6815, 84.4490 by changing the saturation by 10% instead.




 64.3079, 55.6815,  
84.4490

 64.3079, 55.6815,  
84.4490

429.8853,  
408.4901, 529.9000

 47.1627, 39.9476,  
62.8387


 110.1255, 98.5387,  
141.4704

 33.3728, 27.4977,  
45.2706


139.5286,  
126.4309, 177.7186

 22.5728, 17.9474,  
31.3261

173.7484,  
159.1446, 219.6831

 14.3973, 10.9122,  
20.5867

213.1503,  
197.0642, 267.7825

 8.4811, 6.0078,  
12.6340

258.0996,  
240.5742, 322.4354

 4.4587, 2.8498,  
7.0492

308.9616,

 1.9647, 1.0538,

290.0589, 384.0602

3.4140

366.1017,  
345.9027, 453.0756

■ 0.6140, 0.0000,  
1.3097

■ 0.0000, 0.0000,  
0.0697

■ 64.3079, 55.6815,  
84.4490

■ 64.3079, 55.6815,  
84.4490

■ 59.8519, 46.9801,  
83.0051

■ 69.5583, 65.9692,  
86.1588

■ 56.1457, 39.7787,  
81.8105


■ 75.6347, 77.9094,  
88.1432


■ 53.1481, 33.9940,  
80.8519


■ 82.5732, 91.5733,  
90.4150


■ 50.8118, 29.5313,  
80.1136


■ 84.3209, 94.8550,  
90.9563


 49.0839, 26.2850,  
79.5781


 84.4652, 94.9294,  
90.9630


 47.9033, 24.1327,  
79.2249


 84.6099, 95.0040,  
90.9698

 47.1962, 22.9268,  
79.0294

 84.7549, 95.0787,  
90.9766

 46.8956, 22.4765,  
78.9583

 84.9003, 95.1537,  
90.9834

 85.0460, 95.2288,  
90.9902

# Harmonies

## Analogous

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



58.6349, 55.6815, 100.8911



64.3079, 55.6815, 84.4490



66.9410, 55.6815, 63.8243

# Triad

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



64.3079, 55.6815, 84.4490



54.0283, 55.6815, 30.6157



42.0212, 55.6815, 77.8415

# Complementary

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



64.3079, 55.6815, 84.4490



56.4352, 71.3983, 53.9896

# 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.



41.0138, 55.6815, 57.5396



64.3079, 55.6815, 84.4490



47.5957, 55.6815, 32.8175

# Square

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



64.3079, 55.6815, 84.4490



60.6932, 55.6815, 34.9489



42.9690, 55.6815, 41.7688



45.8471, 55.6815, 96.5428



# Rectangle

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



64.3079, 55.6815, 84.4490



66.4686, 55.6815, 51.4201



42.9690, 55.6815, 41.7688



41.3563, 55.6815, 70.8736

# Sweetspot

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



64.3096, 55.6839, 84.4502



89.4939, 89.0715, 107.0834



50.2130, 48.9497, 83.8933



19.0580, 18.8737, 22.8885



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.



64.3096, 55.6839, 84.4502



76.4043, 63.4155, 102.8212



61.3453, 54.5358, 67.1418



15.6851, 15.2984, 19.0485



26.6220, 12.7601, 44.8028



2.0995, 1.0066, 3.5185



# Inverse Universe

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



58.2679, 53.3049, 50.9365



67.8483, 60.0482, 55.2805



58.9505, 72.3774, 68.4543



15.0770, 15.0587, 15.6908



19.0865, 9.8373, 0.9909



1.5028, 0.7741, 0.0992



# Previews

## White Background



This preview shows how the XYZ color 64.3079, 55.6815, 84.4490 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

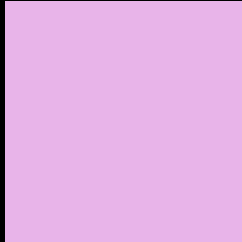
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 64.3079, 55.6815, 84.4490 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

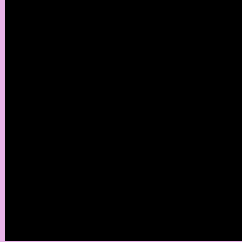
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 64.3079, 55.6815, 84.4490

## Background



This preview shows how black text looks on a background with the XYZ color 64.3079, 55.6815, 84.4490.



This preview shows how white text looks on a background with the XYZ color 64.3079, 55.6815,



# 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

64.3079, 55.6815, 84.4490

### Protanopia

55.9425, 55.9404, 92.6431

### Deuteranopia

57.0929, 55.7482, 83.3527



## Tritanopia

59.6628, 55.6188, 62.2345

# Trichromacy



## Original Color

64.3079, 55.6815, 84.4490

## Protanomaly

58.6220, 55.7554, 89.3335

## Deuteranomaly

59.7001, 55.7897, 83.9659

## Tritanomaly

61.3373, 55.6925, 69.8043

# Monochromacy



## Original Color

64.3079, 55.6815, 84.4490

## Achromatopsia

56.1383, 59.0619, 64.3184

## Achromatomaly

58.7426, 57.5338, 70.9599

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 64.3079, 55.6815, 84.4490 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(232, 180, 233)` looks like.

```
.text, #text, p{  
    color:rgb(232, 180, 233)  
}
```

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(232, 180, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 180, 233) }
```

## Border

The CSS property to change the border of an element to XYZ 64.3079, 55.6815, 84.4490 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(232, 180, 233) }
```



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

```
.border{ border-color:rgb(232, 180, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(232, 180, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 180, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 180, 233);  
box-shadow:4px 4px 4px 4px rgb(232, 180,  
233) }
```

# Background

The CSS property to change the background color of an element to XYZ 64.3079, 55.6815, 84.4490 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 180, 233) }
```

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

```
.background{ background-color: rgb(232,  
180, 233) }
```

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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