

Converting Colors

XYZ(64.2067, 53.2217, 84.6035)

Have a look what the booklet for
XYZ(64.2067, 53.2217, 84.6035)
contains.

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Color

**XYZ(64.1959, 53.2784,
84.7422)**

Conversions

Conversions Part 1

Format	Color
Hex	ECACEA
RGB	236, 172, 234
RGB Percent	93%, 67%, 92%
CMY	0.0745, 0.3255, 0.0823
CMYK	0.00, 0.27, 0.01, 0.07
HSL	302°, 63%, 80%
HSV	302°, 27%, 93%
XYZ	64.1959, 53.2784, 84.7422
YIQ	198.2040, 18.2420, 32.8500

Conversions

Conversions Part 2

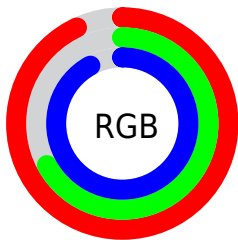
Format	Color
R _Y B	236, 172, 234
Decimal	15510762
CIE Lab	78.04, 33.35, -21.83
CIE LCh	78, 39.861, 326.791
Yxy	53.2784, 0.3175, 0.2635
Android (android.graphics.Color)	4293700842 (0xFFECACEA)
YUV	198.2040, 17.6474, 33.1471
Hunter-Lab	72.9921, 29.2532, -17.7400

Details

The XYZ color **64.1959, 53.2784, 84.7422** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **54.6509, 71.8193, 51.0294**, and the grayscale version is **53.6902, 56.4863, 61.5136**.

A 20% lighter version of the original color is **87.0334, 83.9668, 106.2278**, and **33.2231, 25.9917, 45.3853** is the 20% darker color. If you saturate the color by 10%, you get **59.9918, 45.0385, 82.8195**, and if you desaturate by 10%, it is **69.2013, 63.1183, 86.9353**.

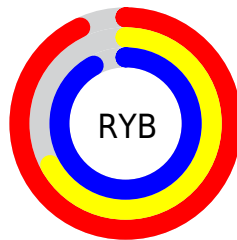
Distribution



Red (93%)

Green (67%)

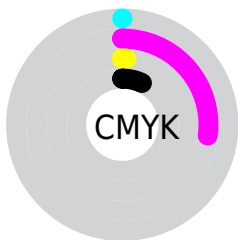
Blue (92%)



Red (93%)

Yellow (67%)

Blue (92%)

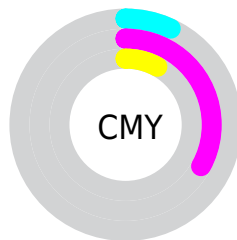


Cyan (0%)

Magenta (27%)

Yellow (1%)

Black (7%)



Cyan (7%)


Magenta (33%)


Yellow (8%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 64.1959, 53.2784, 84.7422 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 64.1959, 53.2784, 84.7422 by changing the saturation by 10% instead.


 64.1959, 53.2784,
84.7422

 64.1959, 53.2784,
84.7422


429.4877,
399.3523, 530.8970

 47.0716, 38.0251,
63.0795


 109.9652, 95.0139,
141.8839

 33.3005, 26.0021,
45.4641


139.3409,
122.2649, 178.1999

 22.5171, 16.8252,
31.4775


173.5311,
154.2838, 220.2375

 14.3560, 10.1100,
20.7012

212.9013,
191.4552, 268.4151

 8.4521, 5.4719,
12.7167

257.8166,
234.1633, 323.1513

 4.4398, 2.5267,
7.1053

308.6426,

 1.9538, 0.8900,

282.7926, 384.8647

3.4486

365.7445,
337.7275, 453.9737

■ 0.6078, 0.0000,
1.3280

■ 0.0000, 0.0000,
0.0846

■ 64.1959, 53.2784,
84.7422

■ 64.1959, 53.2784,
84.7422

■ 59.9918, 45.0385,
82.8195

■ 69.2013, 63.1183,
86.9353

■ 56.5418, 38.3071,
81.1499

■ 75.0421, 74.6292,
89.4085

■ 53.8015, 32.9944,
79.7189

■ 81.7566, 87.8867,
92.1750

■ 51.7199, 28.9982,
78.5097

■ 85.6317, 95.4648,
93.9973

50.2388, 26.2026,
77.5028

85.7397, 95.5080,
94.5661

49.2904, 24.4716,
76.6756

85.8481, 95.5514,
95.1373

48.7865, 23.6289,
75.9988

85.9570, 95.5949,
95.7107

48.6830, 23.4693,
75.8180

86.0664, 95.6387,
96.2866

86.1762, 95.6826,
96.8647

Harmonies

Analogous

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



57.6762, 53.2784, 105.1999



64.1959, 53.2784, 84.7422



67.0683, 53.2784, 60.4396

Triad

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



64.1959, 53.2784, 84.7422



51.4805, 53.2784, 24.9200



38.4399, 53.2784, 79.5123

Complementary

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



64.1959, 53.2784, 84.7422



54.6509, 71.8193, 51.0294

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.



37.1399, 53.2784, 55.6486



64.1959, 53.2784, 84.7422



44.1998, 53.2784, 27.5864

Square

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



64.1959, 53.2784, 84.7422



59.2706, 53.2784, 29.0716



39.1401, 53.2784, 37.5909



42.8898, 53.2784, 101.6778

Rectangle

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



64.1959, 53.2784, 84.7422



66.3312, 53.2784, 46.5082



39.1401, 53.2784, 37.5909



37.6410, 53.2784, 71.2697

Sweetspot

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



64.1976, 53.2807, 84.7433



88.7814, 87.6269, 106.3048



47.1435, 44.4557, 85.4542



18.7667, 18.2900, 22.6546



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.



64.1976, 53.2807, 84.7433



73.4039, 57.3809, 99.6095



60.1181, 51.6489, 63.2611



15.6933, 15.3052, 18.9361



26.8440, 12.9403, 41.8416



2.1143, 1.0187, 3.3194

Inverse Universe

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



64.1976, 53.2807, 84.7433



73.4039, 57.3809, 99.6095



58.0382, 73.1742, 68.8670



15.6933, 15.3052, 18.9361



26.8440, 12.9403, 41.8416



2.1143, 1.0187, 3.3194

Previews

White Background



This preview shows how the XYZ color 64.1959, 53.2784, 84.7422 looks on a white background.

Color Contrast Check

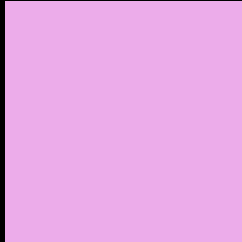
Large Text (above 18pt) WCAG AA × Fail

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 64.1959, 53.2784, 84.7422 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

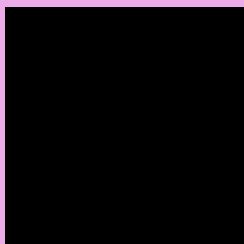
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 64.1959, 53.2784, 84.7422

Background



This preview shows how black text looks on a background with the XYZ color 64.1959, 53.2784, 84.7422.



This preview shows how white text looks on a background with the XYZ color 64.1959, 53.2784,

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

64.1959, 53.2784, 84.7422

Protanopia

54.0097, 53.5607, 95.4873

Deuteranopia

54.8695, 53.6340, 83.0618



Tritanopia

58.6920, 53.3606, 58.2451

Trichromacy



Original Color

64.1959, 53.2784, 84.7422



Protanomaly

56.9869, 52.9711, 91.2253



Deuteranomaly

57.7935, 53.2485, 83.5759



Tritanomaly

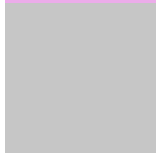
60.5095, 53.2035, 67.4017

Monochromacy



Original Color

64.1959, 53.2784, 84.7422



Achromatopsia

53.6758, 56.4712, 61.4971



Achromatomaly

57.1068, 55.0954, 69.2526

CSS Examples

Text

The CSS property to change the color of the text to XYZ 64.1959, 53.2784, 84.7422 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(236, 172, 234)` looks like.

```
.text, #text, p{  
    color:rgb(236, 172, 234)  
}
```

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(236, 172, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 172, 234) }
```

Border

The CSS property to change the border of an element to XYZ 64.1959, 53.2784, 84.7422 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(236, 172, 234) }
```


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

```
.border{ border-color:rgb(236, 172, 234) }
```

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

Here you see how a box with a 4 pixel `rgb(236, 172, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 172, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 172, 234);  
box-shadow:4px 4px 4px 4px rgb(236, 172,  
234) }
```

Background

The CSS property to change the background color of an element to XYZ 64.1959, 53.2784, 84.7422 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 172, 234) }
```

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

```
.background{ background-color: rgb(236,  
172, 234) }
```

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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