

Converting Colors

XYZ(64.3164, 53.4840, 85.8422)

Have a look what the booklet for
XYZ(64.3164, 53.4840, 85.8422)
contains.

XYZ(64.1999, 53.5475, 85.5493)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(64.1999, 53.5475,
85.5493)**

Conversions

Conversions Part 1

Format	Color
Hex	EBADEB
RGB	235, 173, 235
RGB Percent	92%, 68%, 92%
CMY	0.0784, 0.3215, 0.0784
CMYK	0.00, 0.26, 0.00, 0.08
HSL	300°, 61%, 80%
HSV	300°, 26%, 92%
XYZ	64.1999, 53.5475, 85.5493
YIQ	198.6060, 17.0500, 32.4260

Conversions

Conversions Part 2

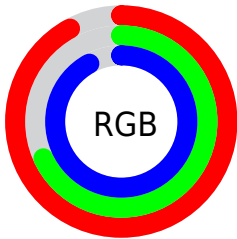
Format	Color
R _Y B	235, 173, 235
Decimal	15445483
CIE _{Lab}	78.20, 32.68, -22.14
CIE _{LCh}	78, 39.474, 325.880
Y _{xy}	53.5475, 0.3158, 0.2634
Android (android.graphics.Color)	4293635563 (0xFFEBADEB)
Y _{UV}	198.6060, 17.9422, 31.9175
Hunter-Lab	73.1762, 28.5458, -18.0919

Details

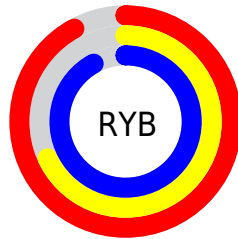
The XYZ color **64.1999, 53.5475, 85.5493** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **54.4869, 71.3197, 50.4324**, and the grayscale version is **53.9336, 56.7424, 61.7925**.

A 20% lighter version of the original color is **87.3093, 84.5186, 106.3198**, and **33.2133, 26.1526, 45.9453** is the 20% darker color. If you saturate the color by 10%, you get **60.0845, 45.3157, 84.1780**, and if you desaturate by 10%, it is **69.1111, 63.3690, 87.1870**.

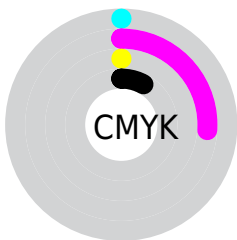
Distribution



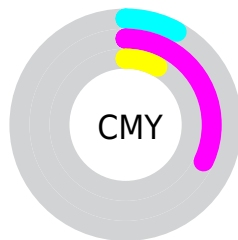
- Red (92%)
- Green (68%)
- Blue (92%)



- Red (92%)
- Yellow (68%)
- Blue (92%)



- Cyan (0%)
- Magenta (26%)
- Yellow (0%)
- Black (8%)





- Cyan (8%)
- Magenta (32%)
- Yellow (8%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 64.1999, 53.5475, 85.5493 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 64.1999, 53.5475, 85.5493 by changing the saturation by 10% instead.


 64.1999, 53.5475,
85.5493

 64.1999, 53.5475,
85.5493


429.5019,
400.3821, 533.6358

 47.0749, 38.2400,
63.7426


 109.9709, 95.4095,
143.0213

 33.3031, 26.1690,
45.9974


139.3476,
122.7329, 179.5238

 22.5191, 16.9501,
31.8951


173.5389,
154.8303, 221.7618

 14.3575, 10.1989,
21.0172

212.9102,
192.0861, 270.1541

 8.4531, 5.5311,
12.9452

257.8267,
234.8848, 325.1191

 4.4405, 2.5621,
7.2606

308.6540,

 1.9542, 0.9076,

283.6108, 387.0753

3.5447

365.7573,
338.6485, 456.4414

■ 0.6080, 0.0000,
1.3790

■ 0.0000, 0.0000,
0.1253

■ 64.1999, 53.5475,
85.5493

■ 64.1999, 53.5475,
85.5493

■ 60.0845, 45.3157,
84.1780

■ 69.1111, 63.3690,
87.1870

■ 56.7184, 38.5836,
83.0559

■ 74.8517, 74.8500,
89.1006

■ 54.0581, 33.2629,
82.1690

■ 81.4592, 88.0650,
91.3032

■ 52.0532, 29.2533,
81.5007

■ 85.0170, 95.1807,
92.4893

50.6472, 26.4412,
81.0319

85.0170, 95.1807,
92.4893

49.7735, 24.6939,
80.7406

85.0171, 95.1807,
92.4894

49.3492, 23.8452,
80.5991

85.0171, 95.1807,
92.4895

49.2568, 23.6606,
80.5683

85.0171, 95.1807,
92.4896

85.0171, 95.1807,
92.4897

Harmonies

Analogous

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



57.6535, 53.5475, 105.5268



64.1999, 53.5475, 85.5493



67.1832, 53.5475, 61.4120

Triad

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



64.1999, 53.5475, 85.5493



51.9692, 53.5475, 25.3501



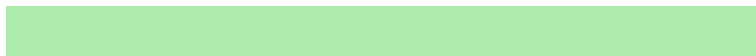
38.6740, 53.5475, 78.8987

Complementary

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



64.1999, 53.5475, 85.5493



54.4869, 71.3197, 50.4324

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.



37.4788, 53.5475, 55.3029



64.1999, 53.5475, 85.5493



44.6870, 53.5475, 27.8096

Square

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



64.1999, 53.5475, 85.5493



59.6841, 53.5475, 29.7161



39.5689, 53.5475, 37.5611



43.0146, 53.5475, 101.0555

Rectangle

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



64.1999, 53.5475, 85.5493



66.5497, 53.5475, 47.4280



39.5689, 53.5475, 37.5611



37.9111, 53.5475, 70.7275

Sweetspot

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



64.2016, 53.5498, 85.5504



88.8839, 87.6679, 106.8446



47.1750, 44.7723, 84.7538



18.7928, 18.3004, 22.7918



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.



64.2016, 53.5498, 85.5504



74.3103, 58.5208, 101.9865



60.1055, 51.9114, 63.9809



15.7149, 15.3138, 19.0498



27.4133, 13.1680, 44.8393



2.1526, 1.0340, 3.5210

Inverse Universe

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



64.2016, 53.5498, 85.5504



74.3103, 58.5208, 101.9865



57.8430, 72.6621, 68.1054



15.7149, 15.3138, 19.0498



27.4133, 13.1680, 44.8393



2.1526, 1.0340, 3.5210

Previews

White Background



This preview shows how the XYZ color 64.1999, 53.5475, 85.5493 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 64.1999, 53.5475, 85.5493 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

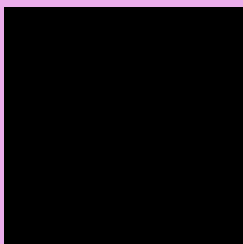
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 64.1999, 53.5475, 85.5493

Background



This preview shows how black text looks on a background with the XYZ color 64.1999, 53.5475, 85.5493.



This preview shows how white text looks on a background with the XYZ color 64.1999, 53.5475,

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

64.1999, 53.5475, 85.5493

Protanopia

54.3833, 54.0603, 96.3753

Deuteranopia

55.0112, 53.6907, 83.8079



Tritanopia

58.6873, 53.6459, 58.8913

Trichromacy



Original Color

64.1999, 53.5475, 85.5493



Protanomaly

57.0798, 53.3111, 92.0757



Deuteranomaly

57.9360, 53.3055, 84.3262



Tritanomaly

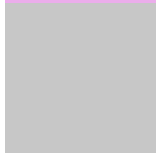
60.5082, 53.4829, 68.1069

Monochromacy



Original Color

64.1999, 53.5475, 85.5493



Achromatopsia

54.2854, 57.1125, 62.1955



Achromatomaly

57.4485, 55.5774, 69.9870

CSS Examples

Text

The CSS property to change the color of the text to XYZ 64.1999, 53.5475, 85.5493 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(235, 173, 235)` looks like.

```
.text, #text, p{  
    color:rgb(235, 173, 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(235, 173, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 173, 235) }
```

Border

The CSS property to change the border of an element to XYZ 64.1999, 53.5475, 85.5493 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(235, 173, 235) }
```


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

```
.border{ border-color:rgb(235, 173, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(235, 173, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 173, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 173, 235);  
box-shadow:4px 4px 4px 4px rgb(235, 173,  
235) }
```

Background

The CSS property to change the background color of an element to XYZ 64.1999, 53.5475, 85.5493 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 173, 235) }
```

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

```
.background{ background-color: rgb(235,  
173, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor