

# Converting Colors

XYZ(58.5684, 50.9586, 85.1510)

Have a look what the booklet for  
XYZ(58.5684, 50.9586, 85.1510)  
contains.

<b>XYZ(58.4504, 50.8692, 85.3353)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	12
<i><b>Previews</b></i> .....	24
<i><b>Color Blindness Simulation</b></i> .....	28
<i><b>CSS Examples</b></i> .....	31

# Color

**XYZ(58.4504, 50.8692,  
85.3353)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D8AEEB
RGB	216, 174, 235
RGB Percent	85%, 68%, 92%
CMY	0.1529, 0.3176, 0.0784
CMYK	0.08, 0.26, 0.00, 0.08
HSL	281°, 60%, 80%
HSV	281°, 26%, 92%
XYZ	58.4504, 50.8692, 85.3353
YIQ	193.5120, 5.4510, 27.8750

# Conversions

## Conversions Part 2

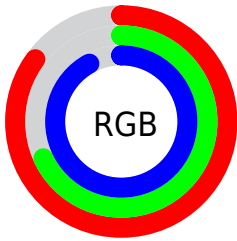
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	216, 174, 235
Decimal	14200555
CIE Lab	76.60, 26.06, -24.74
CIE LCh	77, 35.932, 316.482
Yxy	50.8692, 0.3003, 0.2613
Android (android.graphics.Color)	4292390635 (0xFFD8AE EB)
YUV	193.5120, 20.4536, 19.7220
Hunter-Lab	71.3226, 21.4698, -21.0128

# Details

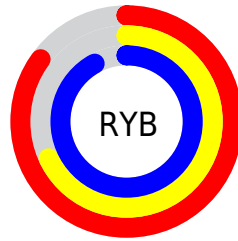
The XYZ color **58.4504, 50.8692, 85.3353** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **59.3423, 73.8113, 51.1661**, and the grayscale version is **50.8723, 53.5216, 58.2851**.

A 20% lighter version of the original color is **87.5868, 85.0736, 106.4123**, and **29.6720, 24.5065, 45.8142** is the 20% darker color. If you saturate the color by 10%, you get **52.1873, 41.4813, 83.8541**, and if you desaturate by 10%, it is **65.6073, 61.8995, 87.0879**.

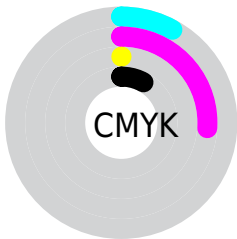
# Distribution



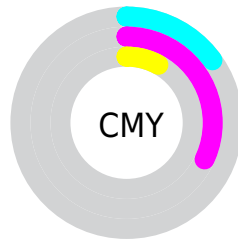
- Red (85%)
- Green (68%)
- Blue (92%)



- Red (85%)
- Yellow (68%)
- Blue (92%)



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



- Cyan (15%)
- Magenta (32%)
- Yellow (8%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 58.4504, 50.8692, 85.3353 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 58.4504, 50.8692, 85.3353 by changing the saturation by 10% instead.



■ 58.4504, 50.8692,  
85.3353

■ 58.4504, 50.8692,  
85.3353

408.7890,  
390.0554, 532.9104

■ 42.4155, 36.1045,  
63.5667

■ 101.6977, 91.4614,  
142.7199

■ 29.6193, 24.5149,  
45.8559

129.6407,  
118.0577, 179.1729

■ 19.6965, 15.7160,  
31.7843

162.2839,  
149.3667, 221.3579

■ 12.2816, 9.3234,  
20.9333

199.9926,  
185.7727, 269.6933

■ 7.0093, 4.9527,  
12.8845

243.1321,  
227.6602, 324.5978

■ 3.5143, 2.2196,  
7.2193

292.0677,

■ 1.4312, 0.7306,

275.4136, 386.4897

3.5191

347.1649,  
329.4172, 455.7878

■ 0.2783, 0.0000,  
1.3654

■ 0.0000, 0.0000,  
0.1145

■ 58.4504, 50.8692,  
85.3353

■ 58.4504, 50.8692,  
85.3353

■ 52.1873, 41.4813,  
83.8541

■ 65.6073, 61.8995,  
87.0879

■ 46.7705, 33.6459,  
82.6273

■ 73.6927, 74.6430,  
89.1215

■ 42.1553, 27.2744,  
81.6407

■ 82.7452, 89.1743,  
91.4492

■ 38.2904, 22.2661,  
80.8777

■ 88.5098, 96.9813,  
92.6523

■ 35.1181, 18.5075,  
80.3194

■ 91.1183, 98.3260,  
92.7744

■ 32.5712, 15.8663,  
79.9438

■ 91.9955, 98.7782,  
92.8154

■ 30.5667, 14.1786,  
79.7237

■ 29.8560, 13.6591,  
79.6609

# Harmonies

## Analogous

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



52.1499, 50.8692, 99.5438



58.4504, 50.8692, 85.3353



62.1896, 50.8692, 64.5971

# Triad

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



58.4504, 50.8692, 85.3353



51.4665, 50.8692, 26.4033



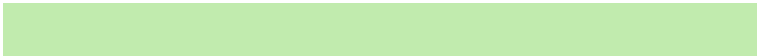
36.8781, 50.8692, 66.6902

# Complementary

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



58.4504, 50.8692, 85.3353



59.3423, 73.8113, 51.1661

# 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.



36.7323, 50.8692, 47.0984



58.4504, 50.8692, 85.3353



44.7387, 50.8692, 26.7101

# Square

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



58.4504, 50.8692, 85.3353



57.9099, 50.8692, 32.4542



39.4852, 50.8692, 33.4217



39.9041, 50.8692, 87.1735



# Rectangle

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



58.4504, 50.8692, 85.3353



62.5192, 50.8692, 51.2722



39.4852, 50.8692, 33.4217



36.5012, 50.8692, 59.7182

# Sweetspot

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



58.4520, 50.8714, 85.3364



86.5847, 86.4826, 106.7370



51.5929, 53.2791, 86.1627



18.2099, 18.0000, 22.7645



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.



58.4520, 50.8714, 85.3364



66.3201, 55.1366, 101.7547



62.8281, 53.3082, 77.3700



15.2319, 15.0648, 19.0272



16.7531, 7.6725, 44.3409



1.4136, 0.6531, 3.4864



# Inverse Universe

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



59.0243, 51.7866, 57.3390



67.2479, 56.4880, 62.3537



55.9420, 71.9271, 56.9375



15.2587, 15.1313, 16.6476



19.7912, 10.1192, 4.7020

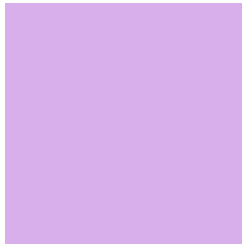


1.5960, 0.8114, 0.5898



# Previews

## White Background



This preview shows how the XYZ color 58.4504, 50.8692, 85.3353 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

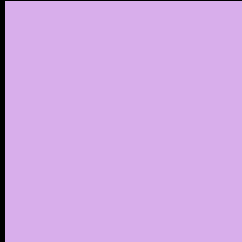
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 58.4504, 50.8692, 85.3353 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

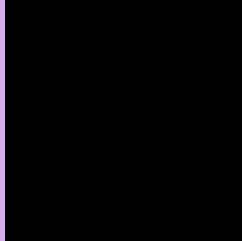
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 58.4504, 50.8692, 85.3353**

## **Background**



This preview shows how black text looks on a background with the XYZ color 58.4504, 50.8692, 85.3353.



This preview shows how white text looks on a background with the XYZ color 58.4504, 50.8692,



# 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

58.4504, 50.8692, 85.3353

### Protanopia

51.5550, 51.0710, 92.7284

### Deuteranopia

52.3066, 51.0202, 84.1818



## Tritanopia

53.0660, 50.7349, 59.2205

# Trichromacy



## Original Color

58.4504, 50.8692, 85.3353

## Protanomaly

53.5914, 50.6256, 90.1662

## Deuteranomaly

54.4011, 50.8586, 84.7913

## Tritanomaly

54.7046, 50.4910, 67.8353

# Monochromacy



## Original Color

58.4504, 50.8692, 85.3353

## Achromatopsia

51.2775, 53.9479, 58.7493

## Achromatomaly

53.6361, 52.7007, 67.6669

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 58.4504, 50.8692, 85.3353 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(216, 174, 235)` looks like.

```
.text, #text, p{  
    color:rgb(216, 174, 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(216, 174, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 174, 235) }
```

## Border

The CSS property to change the border of an element to XYZ 58.4504, 50.8692, 85.3353 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(216, 174, 235) }
```



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

```
.border{ border-color:rgb(216, 174, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(216, 174, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 174, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 174, 235);  
box-shadow:4px 4px 4px 4px rgb(216, 174,  
235) }
```

# Background

The CSS property to change the background color of an element to XYZ 58.4504, 50.8692, 85.3353 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 174, 235) }
```

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

```
.background{ background-color: rgb(216,  
174, 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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