

Converting Colors

XYZ(63.6013, 51.9121, 85.7241)

Have a look what the booklet for
XYZ(63.6013, 51.9121, 85.7241)
contains.

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Color

**XYZ(63.7350, 51.8943,
86.0143)**

Conversions

Conversions Part 1

Format	Color
Hex	ECA8EC
RGB	236, 168, 236
RGB Percent	93%, 66%, 93%
CMY	0.0745, 0.3412, 0.0745
CMYK	0.00, 0.29, 0.00, 0.07
HSL	300°, 64%, 79%
HSV	300°, 29%, 93%
XYZ	63.7350, 51.8943, 86.0143
YIQ	196.0840, 18.7000, 35.5640

Conversions

Conversions Part 2

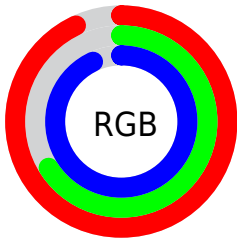
Format	Color
R _Y B	236, 168, 236
Decimal	15509740
CIE Lab	77.22, 35.84, -24.16
CIE LCh	77, 43.225, 326.011
Yxy	51.8943, 0.3161, 0.2574
Android (android.graphics.Color)	4293699820 (0xFFECA8EC)
YUV	196.0840, 19.6786, 35.0063
Hunter-Lab	72.0377, 31.8610, -20.3669

Details

The XYZ color **63.7350, 51.8943, 86.0143** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **53.2139, 71.1445, 47.9762**, and the grayscale version is **52.3990, 55.1278, 60.0342**.

A 20% lighter version of the original color is **85.9457, 81.7913, 105.8652**, and **32.9594, 25.1405, 46.2955** is the 20% darker color. If you saturate the color by 10%, you get **59.7677, 43.9588, 84.6924**, and if you desaturate by 10%, it is **68.4962, 61.4156, 87.6020**.

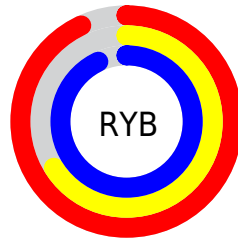
Distribution



Red (93%)

Green (66%)

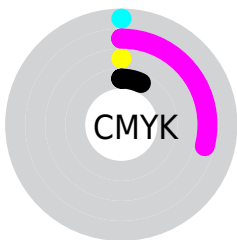
Blue (93%)



Red (93%)

Yellow (66%)

Blue (93%)

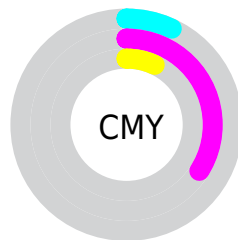


Cyan (0%)

Magenta (29%)

Yellow (0%)

Black (7%)



Cyan (7%)


Magenta (34%)


Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 63.7350, 51.8943, 86.0143 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 63.7350, 51.8943, 86.0143 by changing the saturation by 10% instead.


 63.7350, 51.8943,
86.0143


 63.7350, 51.8943,
86.0143


427.8495,
394.0284, 535.2102

 46.6970, 36.9208,
64.1248


 109.3051, 92.9753,
143.6762

 33.0031, 25.1462,
46.3050


 138.5678,
119.8517, 180.2856

 22.2881, 16.1860,
32.1361


172.6362,
151.4645, 222.6389

 14.1865, 9.6559,
21.1998

211.8755,
188.1981, 271.1544

 8.3331, 5.1714,
13.0775

256.6511,
230.4368, 326.2508

 4.3624, 2.3482,
7.3506

307.3284,

 1.9091, 0.7990,

278.5652, 388.3465

3.6005

364.2727,
332.9676, 457.8601

■ 0.5821, 0.0000,
1.4089

■ 0.0000, 0.0000,
0.1486

■ 63.7350, 51.8943,
86.0143

■ 63.7350, 51.8943,
86.0143

■ 59.7677, 43.9588,
84.6924

■ 68.4962, 61.4156,
87.6020

■ 56.5467, 37.5167,
83.6186

■ 74.0859, 72.5950,
89.4653

■ 54.0266, 32.4766,
82.7785

■ 80.5427, 85.5087,
91.6177

■ 52.1554, 28.7342,
82.1547

■ 85.4931, 95.4093,
93.2679

50.8737, 26.1709,
81.7273

85.4931, 95.4093,
93.2680

50.1113, 24.6461,
81.4731

85.4931, 95.4093,
93.2681

49.7633, 23.9501,
81.3570

85.4931, 95.4093,
93.2682

49.7329, 23.8892,
81.3469

85.4931, 95.4093,
93.2683

85.4931, 95.4093,
93.2683

Harmonies

Analogous

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



56.6394, 51.8943, 108.1769



63.7350, 51.8943, 86.0143



66.9691, 51.8943, 59.7355

Triad

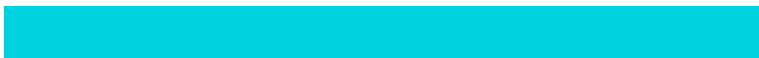
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



63.7350, 51.8943, 86.0143



50.4398, 51.8943, 22.1355



36.3564, 51.8943, 78.9475

Complementary

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



63.7350, 51.8943, 86.0143



53.2139, 71.1445, 47.9762

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.



35.0872, 51.8943, 53.3913



63.7350, 51.8943, 86.0143



42.6672, 51.8943, 24.6374

Square

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



63.7350, 51.8943, 86.0143



58.7690, 51.8943, 26.5066



37.2675, 51.8943, 34.6576



40.9494, 51.8943, 103.3600

Rectangle

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



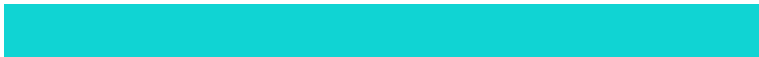
63.7350, 51.8943, 86.0143



66.2618, 51.8943, 44.8394



37.2675, 51.8943, 34.6576



35.5506, 51.8943, 70.0342

Sweetspot

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



63.7366, 51.8966, 86.0154



88.1607, 86.2214, 106.6035



45.2938, 42.3889, 85.1526



18.6488, 18.0124, 22.7438



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.



63.7366, 51.8966, 86.0154



72.8807, 55.6616, 101.5099



59.2572, 50.1048, 62.4272



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.



63.7366, 51.8966, 86.0154



72.8807, 55.6616, 101.5099



56.8065, 72.5815, 66.8949



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 63.7350, 51.8943, 86.0143 looks on a white background.

Color Contrast Check

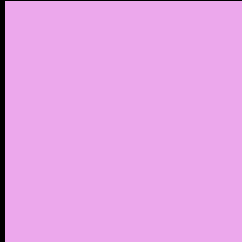
Large Text (above 18pt) WCAG AA × Fail

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 63.7350, 51.8943, 86.0143 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 63.7350, 51.8943, 86.0143

Background



This preview shows how black text looks on a background with the XYZ color 63.7350, 51.8943, 86.0143.



This preview shows how white text looks on a background with the XYZ color 63.7350, 51.8943,

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

63.7350, 51.8943, 86.0143

Protanopia

53.0657, 52.3589, 98.5762

Deuteranopia

53.3221, 52.1857, 83.6064



Tritanopia

57.6495, 51.9850, 55.7108

Trichromacy



Original Color

63.7350, 51.8943, 86.0143



Protanomaly

56.1844, 51.5719, 94.1819



Deuteranomaly

56.4828, 51.6475, 84.0828



Tritanomaly

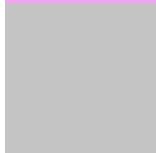
59.6772, 51.9329, 65.9102

Monochromacy



Original Color

63.7350, 51.8943, 86.0143



Achromatopsia

52.4687, 55.2011, 60.1140



Achromatomaly

56.1807, 53.6698, 69.0263

CSS Examples

Text

The CSS property to change the color of the text to XYZ 63.7350, 51.8943, 86.0143 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, 168, 236)` looks like.

```
.text, #text, p{  
    color:rgb(236, 168, 236)  
}
```

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, 168, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 168, 236) }
```

Border

The CSS property to change the border of an element to XYZ 63.7350, 51.8943, 86.0143 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, 168, 236) }
```


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

```
.border{ border-color:rgb(236, 168, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(236, 168, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 168, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 168, 236);  
box-shadow:4px 4px 4px 4px rgb(236, 168,  
236) }
```

Background

The CSS property to change the background color of an element to XYZ 63.7350, 51.8943, 86.0143 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 168, 236) }
```

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

```
.background{ background-color: rgb(236,  
168, 236) }
```

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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