

# Converting Colors

XYZ(64.1090, 52.6404, 86.1398)

Have a look what the booklet for  
XYZ(64.1090, 52.6404, 86.1398)  
contains.

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# Color

**XYZ(64.1071, 52.6384,  
86.1383)**

# Conversions

## Conversions Part 1

Format	Color
Hex	ECAAEC
RGB	236, 170, 236
RGB Percent	93%, 67%, 93%
CMY	0.0745, 0.3333, 0.0745
CMYK	0.00, 0.28, 0.00, 0.07
HSL	300°, 63%, 80%
HSV	300°, 28%, 93%
XYZ	64.1071, 52.6384, 86.1383
YIQ	197.2580, 18.1500, 34.5180

# Conversions

## Conversions Part 2

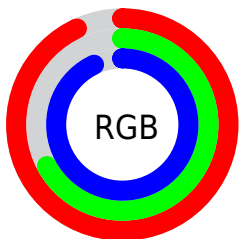
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">236, 170, 236</a>
Decimal	<a href="#">15510252</a>
CIELab	<a href="#">77.66, 34.78, -23.49</a>
CIELCh	<a href="#">78, 41.967, 325.966</a>
Yxy	<a href="#">52.6384, 0.3160, 0.2595</a>
Android (android.graphics.Color)	<a href="#">4293700332</a> ( <a href="#">0xFFECAAEC</a> )
YUV	<a href="#">197.2580, 19.0998, 33.9767</a>
Hunter-Lab	<a href="#">72.5523, 30.7557, -19.6059</a>

# Details

The XYZ color **64.1071, 52.6384, 86.1383** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **53.8308, 71.4409, 48.9853**, and the grayscale version is **53.1087, 55.8744, 60.8473**.

A 20% lighter version of the original color is **86.4864, 82.8727, 106.0455**, and **33.1899, 25.6016, 46.3723** is the 20% darker color. If you saturate the color by 10%, you get **60.0745, 44.5722, 84.7945**, and if you desaturate by 10%, it is **68.9371, 62.2974, 87.7490**.

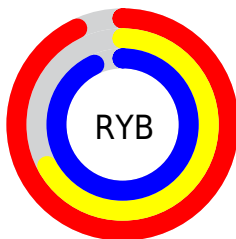
# Distribution



Red (93%)

Green (67%)

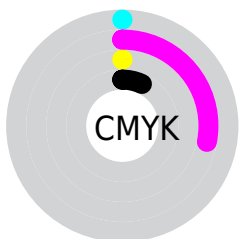
Blue (93%)



Red (93%)

Yellow (67%)

Blue (93%)

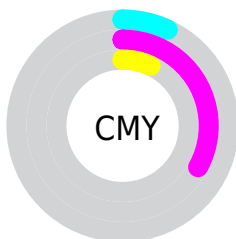


Cyan (0%)

Magenta (28%)

Yellow (0%)

Black (7%)



Cyan (7%)

Magenta (33%)

Yellow (7%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 64.1071, 52.6384, 86.1383 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 64.1071, 52.6384, 86.1383 by changing the saturation by 10% instead.



64.1071, 52.6384,  
86.1383

64.1071, 52.6384,  
86.1383

429.1724,  
396.8963, 535.6296

46.9994, 37.5142,  
64.2268

109.8380, 94.0721,  
143.8507

33.2431, 25.6059,  
46.3870

139.1920,  
121.1503, 180.4887

22.4729, 16.5290,  
32.2005

173.3588,  
152.9820, 222.8726

14.3233, 9.8993,  
21.2486

212.7038,  
189.9516, 271.4210

8.4291, 5.3322,  
13.1128

257.5922,  
232.4434, 326.5523

4.4248, 2.4435,  
7.3746

308.3896,

1.9452, 0.8481,

280.8418, 388.6852

3.6155

365.4612,  
335.5313, 458.2381

■ 0.6029, 0.0000,  
1.4169

■ 0.0000, 0.0000,  
0.1548

■ 64.1071, 52.6384,  
86.1383

■ 64.1071, 52.6384,  
86.1383

■ 60.0745, 44.5722,  
84.7945

■ 68.9371, 62.2974,  
87.7490

■ 56.7918, 38.0068,  
83.7001

■ 74.5990, 73.6210,  
89.6364

■ 54.2142, 32.8518,  
82.8408

■ 81.1309, 86.6849,  
91.8139

■ 52.2902, 29.0038,  
82.1993

■ 85.4932, 95.4094,  
93.2681

50.9611, 26.3456,  
81.7562

85.4932, 95.4094,  
93.2683

50.1578, 24.7391,  
81.4882

85.4932, 95.4094,  
93.2684

49.7850, 23.9935,  
81.3638

85.4933, 95.4094,  
93.2686

49.7329, 23.8892,  
81.3464

85.4933, 95.4094,  
93.2687

85.4933, 95.4094,  
93.2689

# Harmonies

## Analogous

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



57.1782, 52.6384, 107.6066



64.1071, 52.6384, 86.1383



67.2650, 52.6384, 60.5160

# Triad

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



64.1071, 52.6384, 86.1383



51.1370, 52.6384, 23.2968



37.2736, 52.6384, 79.1894

# Complementary

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



64.1071, 52.6384, 86.1383



53.8308, 71.4409, 48.9853

# 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.



36.0253, 52.6384, 54.2275



64.1071, 52.6384, 86.1383



43.5061, 52.6384, 25.7955

# Square

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



64.1071, 52.6384, 86.1383



59.2819, 52.6384, 27.6863



38.1831, 52.6384, 35.7658



41.7967, 52.6384, 102.8925



# Rectangle

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



64.1071, 52.6384, 86.1383



66.5813, 52.6384, 45.8809



38.1831, 52.6384, 35.7658



36.4796, 52.6384, 70.5049

# Sweetspot

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



64.1088, 52.6407, 86.1394



88.8839, 87.6679, 106.8445



46.0949, 43.3542, 85.2968



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.



64.1088, 52.6407, 86.1394



73.3480, 56.5961, 101.6654



59.7482, 50.8965, 63.1769



15.7149, 15.3138, 19.0498



27.4132, 13.1680, 44.8390



2.1526, 1.0340, 3.5209



# Inverse Universe

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



64.1088, 52.6407, 86.1394



73.3480, 56.5961, 101.6654



57.3545, 72.8504, 67.5406



15.7149, 15.3138, 19.0498



27.4132, 13.1680, 44.8390



2.1526, 1.0340, 3.5209



# Previews

## White Background



This preview shows how the XYZ color 64.1071, 52.6384, 86.1383 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

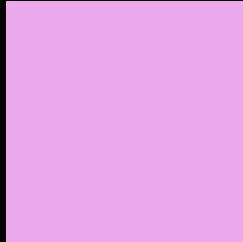
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 64.1071, 52.6384, 86.1383 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

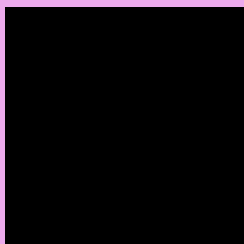
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 64.1071, 52.6384, 86.1383**

## **Background**



This preview shows how black text looks on a background with the XYZ color 64.1071, 52.6384, 86.1383.



This preview shows how white text looks on a background with the XYZ color 64.1071, 52.6384,



# 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

64.1071, 52.6384, 86.1383

### Protanopia

53.5733, 52.9591, 97.8410

### Deuteranopia

54.1771, 52.9260, 84.4511



## Tritanopia

58.0679, 52.4696, 56.9363

# Trichromacy



## Original Color

64.1071, 52.6384, 86.1383



## Protanomaly

56.7036, 52.4653, 93.5244



## Deuteranomaly

57.1073, 52.2537, 84.9180



## Tritanomaly

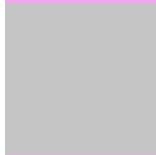
59.9938, 52.3698, 66.6209

# Monochromacy



## Original Color

64.1071, 52.6384, 86.1383



## Achromatopsia

53.0703, 55.8340, 60.8033



## Achromatomaly

56.3922, 54.0927, 69.0968

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 64.1071, 52.6384, 86.1383 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, 170, 236)` looks like.

```
.text, #text, p{  
    color:rgb(236, 170, 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, 170, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 170, 236) }
```

## Border

The CSS property to change the border of an element to XYZ 64.1071, 52.6384, 86.1383 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, 170, 236) }
```



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

```
.border{ border-color:rgb(236, 170, 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, 170, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 170, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 170, 236);  
box-shadow:4px 4px 4px 4px rgb(236, 170,  
236) }
```

# Background

The CSS property to change the background color of an element to XYZ 64.1071, 52.6384, 86.1383 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 170, 236) }
```

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

```
.background{ background-color: rgb(236,  
170, 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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