

Converting Colors

XYZ(59.0217, 51.0844, 89.6701)

Have a look what the booklet for
XYZ(59.0217, 51.0844, 89.6701)
contains.

XYZ(59.0376, 51.0701, 89.9650)	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(59.0376, 51.0701,
89.9650)**

Conversions

Conversions Part 1

Format	Color
Hex	D7AEF1
RGB	215, 174, 241
RGB Percent	84%, 68%, 95%
CMY	0.1569, 0.3176, 0.0549
CMYK	0.11, 0.28, 0.00, 0.05
HSL	277°, 71%, 81%
HSV	277°, 28%, 95%
XYZ	59.0376, 51.0701, 89.9650
YIQ	193.8970, 2.9290, 29.5290

Conversions

Conversions Part 2

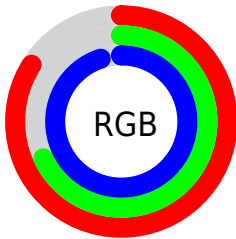
Format	Color
R _Y B	215, 174, 241
Decimal	14135025
CIE Lab	76.72, 26.95, -27.81
CIE LCh	77, 38.725, 314.103
Yxy	51.0701, 0.2951, 0.2553
Android (android.graphics.Color)	4292325105 (0xFFD7AEF1)
YUV	193.8970, 23.2218, 18.5073
Hunter-Lab	71.4633, 22.4023, -24.6157

Details

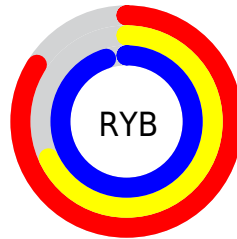
The XYZ color **59.0376, 51.0701, 89.9650** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **62.9164, 78.2472, 51.8340**, and the grayscale version is **51.0846, 53.7450, 58.5283**.

A 20% lighter version of the original color is **87.5868, 85.0736, 106.4123**, and **30.0915, 24.6511, 49.0711** is the 20% darker color. If you saturate the color by 10%, you get **52.1249, 41.2049, 88.4260**, and if you desaturate by 10%, it is **66.9459, 62.6910, 91.7921**.

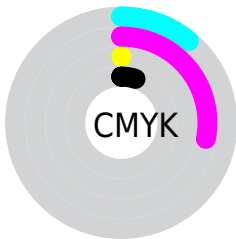
Distribution



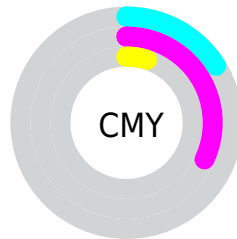
- Red (84%)
- Green (68%)
- Blue (95%)



- Red (84%)
- Yellow (68%)
- Blue (95%)



- Cyan (11%)
- Magenta (28%)
- Yellow (0%)
- Black (5%)





- Cyan (16%)
- Magenta (32%)
- Yellow (5%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 59.0376, 51.0701, 89.9650 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 59.0376, 51.0701, 89.9650 by changing the saturation by 10% instead.


 59.0376, 51.0701,
89.9650

 59.0376, 51.0701,
89.9650

410.9331,
390.8361, 548.4842

 42.8899, 36.2644,
67.3781

 102.5466, 91.7584,
149.2249

 29.9929, 24.6385,
48.9284


130.6386,
118.4098, 186.7349

 19.9812, 15.8079,
34.1975


163.4428,
149.7785, 230.0563

 12.4896, 9.3883,
22.7668

201.3244,
186.2489, 279.6078

 7.1526, 4.9953,
14.2177

244.6489,
228.2055, 335.8077

 3.6049, 2.2445,
8.1318

293.7816,

 1.4811, 0.7441,

276.0327, 399.0748

4.0904

349.0879,
330.1147, 469.8274

■ 0.3129, 0.0000,
1.6751

■ 0.0000, 0.0000,
0.3436

■ 59.0376, 51.0701,
89.9650

■ 59.0376, 51.0701,
89.9650

■ 52.1249, 41.2049,
88.4260

■ 66.9459, 62.6910,
91.7921

■ 46.1556, 32.9984,
87.1566

■ 75.8886, 76.1453,
93.9176

■ 41.0797, 26.3535,
86.1415

■ 85.9086, 91.5134,
96.3559

■ 36.8404, 21.1605,
85.3626

■ 91.9315, 98.6433,
97.4147

■ 33.3732, 17.2946,
84.7991

■ 92.8773, 99.1309,
97.4589

■ 30.6025, 14.6090,
84.4268

■ 28.4272, 12.9061,
84.2127

■ 27.9957, 12.5982,
84.1761

Harmonies

Analogous

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



52.0606, 51.0701, 104.7275



59.0376, 51.0701, 89.9650



63.4149, 51.0701, 67.4259

Triad

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



59.0376, 51.0701, 89.9650



52.5089, 51.0701, 25.0933



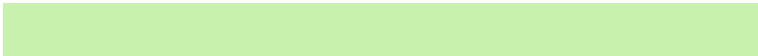
36.1016, 51.0701, 66.0460

Complementary

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



59.0376, 51.0701, 89.9650



62.9164, 78.2472, 51.8340

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.



36.1955, 51.0701, 45.2562



59.0376, 51.0701, 89.9650



45.1830, 51.0701, 24.9011

Square

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



59.0376, 51.0701, 89.9650



59.3942, 51.0701, 31.9579



39.3680, 51.0701, 31.3436



39.0970, 51.0701, 88.7378

Rectangle

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



59.0376, 51.0701, 89.9650



64.0185, 51.0701, 52.7651



39.3680, 51.0701, 31.3436



35.7831, 51.0701, 58.5485

Sweetspot

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



59.0392, 51.0722, 89.9661



86.0311, 86.1972, 106.7111



54.1748, 57.0318, 91.3728



18.0702, 17.9279, 22.7580



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.



59.0392, 51.0722, 89.9661



62.8144, 51.8732, 101.3096



66.3076, 54.9327, 85.1774



15.8258, 15.7074, 19.9193



15.3367, 6.9118, 45.6536



1.3869, 0.6322, 3.8031

Inverse Universe

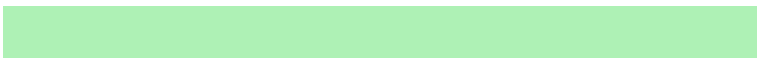
The Inverse Universe completely reimagines the original color for something new.



61.8387, 53.1452, 61.6446



66.6145, 54.6651, 63.8568



57.2224, 75.2345, 55.0629



16.0267, 15.8604, 17.6970



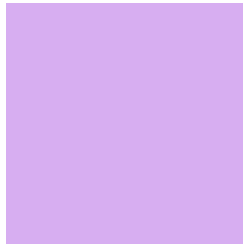
20.8168, 10.5991, 6.9519



1.7791, 0.9007, 0.8276

Previews

White Background



This preview shows how the XYZ color 59.0376, 51.0701, 89.9650 looks on a white background.

Color Contrast Check

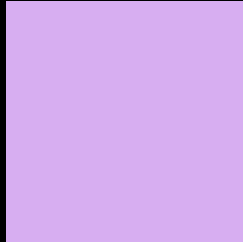
Large Text (above 18pt) WCAG AA × Fail

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 59.0376, 51.0701, 89.9650 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

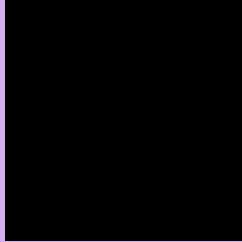
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 59.0376, 51.0701, 89.9650

Background



This preview shows how black text looks on a background with the XYZ color 59.0376, 51.0701, 89.9650.



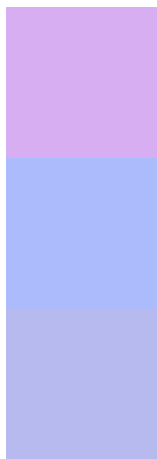
This preview shows how white text looks on a background with the XYZ color 59.0376, 51.0701,

89.9650.

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

59.0376, 51.0701, 89.9650

Protanopia

52.1962, 51.2763, 98.4131

Deuteranopia

52.4303, 51.2949, 88.7989



Tritanopia

52.8184, 50.8970, 59.8636

Trichromacy



Original Color

59.0376, 51.0701, 89.9650

Protanomaly

54.2555, 50.8627, 94.9536

Deuteranomaly

54.7043, 51.2165, 89.4406

Tritanomaly

54.9943, 50.8932, 69.8756

Monochromacy



Original Color

59.0376, 51.0701, 89.9650

Achromatopsia

51.2775, 53.9479, 58.7493

Achromatomaly

53.8853, 52.8004, 68.9794

CSS Examples

Text

The CSS property to change the color of the text to XYZ 59.0376, 51.0701, 89.9650 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(215, 174, 241)` looks like.

```
.text, #text, p{  
    color:rgb(215, 174, 241)  
}
```

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(215, 174, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 174, 241) }
```

Border

The CSS property to change the border of an element to XYZ 59.0376, 51.0701, 89.9650 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(215, 174, 241) }
```


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

```
.border{ border-color:rgb(215, 174, 241) }
```

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

Here you see how a box with a 4 pixel rgb(215, 174, 241) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(215, 174, 241); -webkit-box-  
shadow:4px 4px 4px 4px rgb(215, 174, 241);  
box-shadow:4px 4px 4px 4px rgb(215, 174,  
241) }
```

Background

The CSS property to change the background color of an element to XYZ 59.0376, 51.0701, 89.9650 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(215, 174, 241) }
```

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

```
.background{ background-color: rgb(215,  
174, 241) }
```

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