

Converting Colors

XYZ(58.9961, 51.0630, 83.1119)

Have a look what the booklet for
XYZ(58.9961, 51.0630, 83.1119)
contains.

XYZ(59.2167, 51.3139, 83.1275)	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(59.2167, 51.3139,
83.1275)**

Conversions

Conversions Part 1

Format	Color
Hex	DCAEE8
RGB	220, 174, 232
RGB Percent	86%, 68%, 91%
CMY	0.1372, 0.3176, 0.0902
CMYK	0.05, 0.25, 0.00, 0.09
HSL	288°, 56%, 80%
HSV	288°, 25%, 91%
XYZ	59.2167, 51.3139, 83.1275
YIQ	194.3660, 8.7980, 27.7900

Conversions

Conversions Part 2

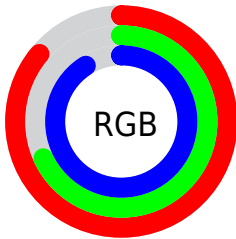
Format	Color
R _Y B	220, 174, 232
Decimal	14462696
CIE Lab	76.87, 26.75, -22.67
CIE LCh	77, 35.064, 319.711
Yxy	51.3139, 0.3058, 0.2650
Android (android.graphics.Color)	4292652776 (0xFFDCAEE8)
YUV	194.3660, 18.5536, 22.4810
Hunter-Lab	71.6337, 22.1997, -18.6596

Details

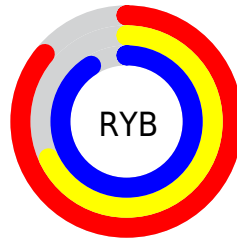
The XYZ color **59.2167, 51.3139, 83.1275** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **56.7481, 71.2097, 50.8007**, and the grayscale version is **51.3861, 54.0622, 58.8737**.

A 20% lighter version of the original color is **87.5868, 85.0736, 106.4123**, and **29.9837, 24.7018, 44.2619** is the 20% darker color. If you saturate the color by 10%, you get **53.6844, 42.3742, 81.6943**, and if you desaturate by 10%, it is **65.5680, 61.8276, 84.8229**.

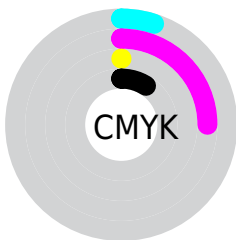
Distribution



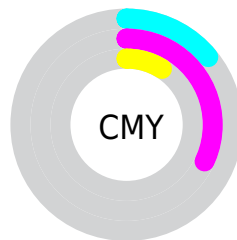
- Red (86%)
- Green (68%)
- Blue (91%)



- Red (86%)
- Yellow (68%)
- Blue (91%)



- Cyan (5%)
- Magenta (25%)
- Yellow (0%)
- Black (9%)





- Cyan (14%)
- Magenta (32%)
- Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 59.2167, 51.3139, 83.1275 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 59.2167, 51.3139, 83.1275 by changing the saturation by 10% instead.


 59.2167, 51.3139,
83.1275

 59.2167, 51.3139,
83.1275


411.5857,
391.7821, 525.3935

 43.0346, 36.4585,
61.7541

 102.8054, 92.1186,
139.6048

 30.1069, 24.7885,
44.3995


130.9427,
118.8367, 175.5459

 20.0682, 15.9196,
30.6452


163.7958,
150.2778, 217.1799

 12.5532, 9.4672,
20.0727

201.7301,
186.8262, 264.9254

 7.1965, 5.0472,
12.2633

245.1108,
228.8665, 319.2010

 3.6327, 2.2750,
6.7985

294.3034,

 1.4965, 0.7604,

276.7830, 380.4252

3.2599

349.6733,
330.9601, 449.0165

■ 0.3235, 0.0000,
1.2288

■ 0.0000, 0.0000,
0.0024

■ 59.2167, 51.3139,
83.1275

■ 59.2167, 51.3139,
83.1275

■ 53.6844, 42.3742,
81.6943

■ 65.5680, 61.8276,
84.8229

■ 48.9261, 34.9223,
80.5067

■ 72.7708, 73.9827,
86.7894

■ 44.8998, 28.8733,
79.5514

■ 80.8615, 87.8508,
89.0398

■ 41.5572, 24.1315,
78.8123

■ 85.9905, 95.7322,
90.2907

38.8441, 20.5887,
78.2715

87.6346, 96.5798,
90.3677

36.6973, 18.1193,
77.9080

89.3222, 97.4497,
90.4467

35.0396, 16.5691,
77.6961

91.0534, 98.3422,
90.5277

34.3328, 16.0166,
77.6267

91.5656, 98.6063,
90.5516

Harmonies

Analogous

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



53.2242, 51.3139, 98.0408



59.2167, 51.3139, 83.1275



62.5011, 51.3139, 62.6878

Triad

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



59.2167, 51.3139, 83.1275



51.0975, 51.3139, 26.9791



37.6742, 51.3139, 69.1894

Complementary

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



59.2167, 51.3139, 83.1275



56.7481, 71.2097, 50.8007

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.



37.2173, 51.3139, 49.5692



59.2167, 51.3139, 83.1275



44.5759, 51.3139, 27.9511

Square

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



59.2167, 51.3139, 83.1275



57.5384, 51.3139, 32.2894



39.6344, 51.3139, 35.3390



40.9451, 51.3139, 88.8091

Rectangle

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



59.2167, 51.3139, 83.1275



62.5275, 51.3139, 49.9062



39.6344, 51.3139, 35.3390



37.1986, 51.3139, 62.2955

Sweetspot

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



59.2183, 51.3161, 83.1286



88.2719, 88.4415, 107.0262



49.7016, 50.1842, 83.4117



18.7742, 18.7273, 22.8752



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.



59.2183, 51.3161, 83.1286



69.7248, 57.6408, 102.0586



60.7550, 52.3655, 71.5793



14.6878, 14.4568, 18.1606



19.1676, 8.9471, 43.0999



1.4901, 0.6992, 3.1884

Inverse Universe

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



57.2794, 50.9753, 53.2770



67.0346, 57.2099, 58.7418



55.6557, 70.4499, 59.6309



14.4984, 14.4165, 15.5587



18.8079, 9.6574, 2.6174



1.4231, 0.7269, 0.3685

Previews

White Background



This preview shows how the XYZ color 59.2167, 51.3139, 83.1275 looks on a white background.

Color Contrast Check

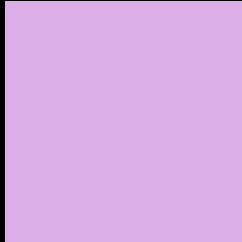
Large Text (above 18pt) WCAG AA × Fail

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 59.2167, 51.3139, 83.1275 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 59.2167, 51.3139, 83.1275

Background



This preview shows how black text looks on a background with the XYZ color 59.2167, 51.3139, 83.1275.



This preview shows how white text looks on a background with the XYZ color 59.2167, 51.3139,

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

59.2167, 51.3139, 83.1275

Protanopia

51.9147, 51.6074, 91.2294

Deuteranopia

52.8281, 51.6498, 82.0480



Tritanopia

54.3985, 51.4350, 58.6906

Trichromacy



Original Color

59.2167, 51.3139, 83.1275

Protanomaly

54.1043, 51.2465, 87.9289

Deuteranomaly

54.9712, 51.5048, 82.6454

Tritanomaly

55.9208, 51.1466, 66.5994

Monochromacy



Original Color

59.2167, 51.3139, 83.1275

Achromatopsia

51.2775, 53.9479, 58.7493

Achromatomaly

53.7841, 52.7912, 67.0295

CSS Examples

Text

The CSS property to change the color of the text to XYZ 59.2167, 51.3139, 83.1275 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(220, 174, 232)` looks like.

```
.text, #text, p{  
    color:rgb(220, 174, 232)  
}
```

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(220, 174, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 174, 232) }
```

Border

The CSS property to change the border of an element to XYZ 59.2167, 51.3139, 83.1275 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(220, 174, 232) }
```


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

```
.border{ border-color:rgb(220, 174, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(220, 174, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 174, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 174, 232);  
box-shadow:4px 4px 4px 4px rgb(220, 174,  
232) }
```

Background

The CSS property to change the background color of an element to XYZ 59.2167, 51.3139, 83.1275 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 174, 232) }
```

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

```
.background{ background-color: rgb(220,  
174, 232) }
```

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