

Converting Colors

XYZ(33.8952, 23.4094, 25.6289)

Have a look what the booklet for
XYZ(33.8952, 23.4094, 25.6289)
contains.

XYZ(33.9177, 23.4638, 25.6630)	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(33.9177, 23.4638,
25.6630)**

Conversions

Conversions Part 1

Format	Color
Hex	CD6287
RGB	205, 98, 135
RGB Percent	80%, 38%, 53%
CMY	0.1961, 0.6157, 0.4706
CMYK	0.00, 0.52, 0.34, 0.20
HSL	339°, 52%, 59%
HSV	339°, 52%, 80%
XYZ	33.9177, 23.4638, 25.6630
YIQ	134.2110, 51.8950, 34.1910

Conversions

Conversions Part 2

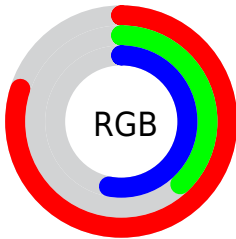
Format	Color
R_{YB}	205, 98, 135
Decimal	13460103
CIE _{Lab}	55.55, 46.26, -0.18
CIE _{LCh}	56, 46.258, 359.771
Yxy	23.4638, 0.4084, 0.2825
Android (android.graphics.Color)	4291650183 (0xFFCD6287)
YUV	134.2110, 0.3890, 62.0820
Hunter-Lab	48.4394, 40.2181, 2.4960

Details

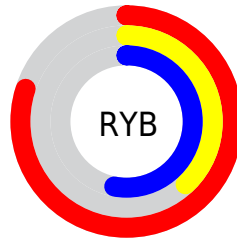
The XYZ color **33.9177, 23.4638, 25.6630** is a dark color, and the websafe version is hex **CC6699**. A complement of this color would be **33.9374, 49.0870, 44.7346**, and the grayscale version is **22.7236, 23.9070, 26.0347**.

A 20% lighter version of the original color is **61.5453, 47.3473, 53.4721**, and **14.6107, 8.7357, 9.5104** is the 20% darker color. If you saturate the color by 10%, you get **31.3537, 19.7530, 20.4393**, and if you desaturate by 10%, it is **37.0931, 28.2068, 31.6779**.

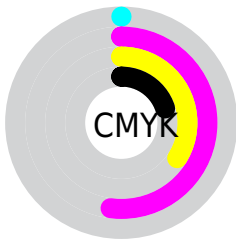
Distribution



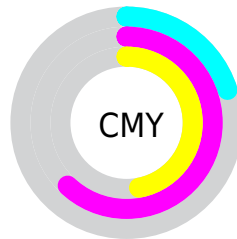
- Red (80%)
- Green (38%)
- Blue (53%)



- Red (80%)
- Yellow (38%)
- Blue (53%)



- Cyan (0%)
- Magenta (52%)
- Yellow (34%)
- Black (20%)





- Cyan (20%)
- Magenta (62%)
- Yellow (47%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.9177, 23.4638, 25.6630 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 33.9177, 23.4638, 25.6630 by changing the saturation by 10% instead.


 33.9177, 23.4638,
25.6630


 33.9177, 23.4638,
25.6630


311.3573,
270.0983, 294.6765


 22.9930, 14.9363,
16.3482


 65.1508, 49.1538,
53.7082


 14.7090, 8.7747,
9.6139


 86.1899, 67.0851,
73.2756

 8.7004, 4.5945,
5.0415


 111.3311, 88.9198,
97.0977

 4.6018, 2.0114,
2.2124

 140.9399,
115.0423, 125.5930

 2.0479, 0.6141,
0.6815

175.3816,
145.8370, 159.1799

 0.6607, 0.0000,
0.0000

215.0214,

 0.0000, 0.0000,

181.6883, 198.2771

0.0000

260.2249,
222.9806, 243.3031

■ 33.9177, 23.4638,
25.6630

■ 33.9177, 23.4638,
25.6630

■ 31.3537, 19.7530,
20.4393

■ 37.0931, 28.2068,
31.6779

■ 29.3565, 16.9925,
15.9694

■ 40.9164, 34.0486,
38.5162

■ 27.8780, 15.0937,
12.2146

■ 45.4234, 41.0544,
46.2095

■ 26.8607, 13.9493,
9.1310

■ 50.6466, 49.2831,
54.7874

■ 26.3104, 13.4325,
7.1473

■ 56.6164, 58.7898,
64.2780

■ 63.3615, 69.6260,
74.7081

■ 70.9089, 81.8406,
86.1033

■ 77.0083, 90.9277,
97.7295

■ 78.9868, 91.7191,
108.1483

Harmonies

Analogous

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



32.1449, 23.4638, 42.9216



33.9177, 23.4638, 25.6630



32.1961, 23.4638, 13.7693

Triad

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



33.9177, 23.4638, 25.6630



17.6805, 23.4638, 7.8398



17.6211, 23.4638, 59.2961

Complementary

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



33.9177, 23.4638, 25.6630



33.9374, 49.0870, 44.7346

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.



14.6756, 23.4638, 42.6414



33.9177, 23.4638, 25.6630



14.7059, 23.4638, 13.6381

Square

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



33.9177, 23.4638, 25.6630



22.3417, 23.4638, 6.2376



13.6962, 23.4638, 25.4335



22.2616, 23.4638, 66.4138

Rectangle

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



33.9177, 23.4638, 25.6630



29.4312, 23.4638, 9.2877



13.6962, 23.4638, 25.4335



16.4279, 23.4638, 54.3730

Sweetspot

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



33.9183, 23.4650, 25.6634



79.3835, 75.0729, 83.9291



31.4410, 21.4201, 60.2350



16.6099, 15.4679, 17.3377



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.



33.9183, 23.4650, 25.6634



50.7706, 31.5265, 32.2199



33.4053, 25.9082, 14.7970



11.3698, 11.2766, 12.4819



16.4198, 8.3785, 4.6634



0.8827, 0.4465, 0.4281

Inverse Universe

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



33.9183, 23.4650, 25.6634



50.7706, 31.5265, 32.2199



34.2442, 43.3789, 64.3257



11.3698, 11.2766, 12.4819



16.4198, 8.3785, 4.6634



0.8827, 0.4465, 0.4281

Previews

White Background



This preview shows how the XYZ color 33.9177, 23.4638, 25.6630 looks on a white background.

Color Contrast Check

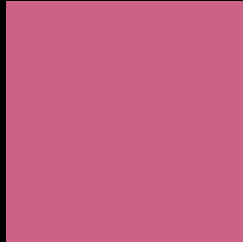
Large Text (above 18pt) WCAG AA ✓ Pass

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 33.9177, 23.4638, 25.6630 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

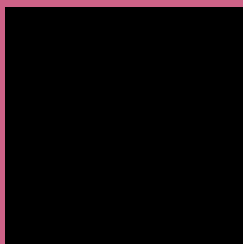
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 33.9177, 23.4638, 25.6630

Background



This preview shows how black text looks on a background with the XYZ color 33.9177, 23.4638, 25.6630.



This preview shows how white text looks on a background with the XYZ color 33.9177, 23.4638,

25.6630.

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

33.9177, 23.4638, 25.6630

Protanopia

23.3053, 23.5700, 34.7736

Deuteranopia

24.0923, 23.6081, 24.4061



Tritanopia

32.2933, 23.5228, 17.5902

Trichromacy



Original Color

33.9177, 23.4638, 25.6630

Protanomaly

25.9664, 22.7392, 31.0375

Deuteranomaly

27.0055, 23.0578, 24.8571

Tritanomaly

32.8853, 23.4766, 20.2510

Monochromacy



Original Color

33.9177, 23.4638, 25.6630

Achromatopsia

22.6597, 23.8398, 25.9615

Achromatomaly

25.6377, 22.8696, 25.6173

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.9177, 23.4638, 25.6630 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(205, 98, 135)` looks like.

```
.text, #text, p{  
    color:rgb(205, 98, 135)  
}
```

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(205, 98, 135) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 98, 135) }
```

Border

The CSS property to change the border of an element to XYZ 33.9177, 23.4638, 25.6630 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(205, 98, 135) }
```


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

```
.border{ border-color:rgb(205, 98, 135) }
```

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

Here you see how a box with a 4 pixel rgb(205, 98, 135) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(205, 98, 135); -webkit-box-  
shadow:4px 4px 4px 4px rgb(205, 98, 135);  
box-shadow:4px 4px 4px 4px rgb(205, 98,  
135) }
```

Background

The CSS property to change the background color of an element to XYZ 33.9177, 23.4638, 25.6630 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 98, 135) }
```

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

```
.background{ background-color: rgb(205, 98,  
135) }
```

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