

Converting Colors

XYZ(33.1711, 16.5576, 43.4362)

Have a look what the booklet for
XYZ(33.1711, 16.5576, 43.4362)
contains.

XYZ(33.1879, 16.5520, 43.5651)	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(33.1879, 16.5520,
43.5651)**

Conversions

Conversions Part 1

Format	Color
Hex	CC14B2
RGB	204, 20, 178
RGB Percent	80%, 8%, 70%
CMY	0.2000, 0.9215, 0.3020
CMYK	0.00, 0.90, 0.13, 0.20
HSL	308°, 82%, 44%
HSV	308°, 90%, 80%
XYZ	33.1879, 16.5520, 43.5651
YIQ	93.0280, 58.9460, 88.1460

Conversions

Conversions Part 2

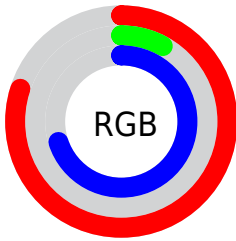
Format	Color
R_{YB}	204, 20, 178
Decimal	13374642
CIE _{Lab}	47.69, 77.56, -37.56
CIE _{LCh}	48, 86.177, 334.158
Yxy	16.5520, 0.3557, 0.1774
Android (android.graphics.Color)	4291564722 (0xFFCC14B2)
YUV	93.0280, 41.8912, 97.3224
Hunter-Lab	40.6841, 74.4133, -35.0096

Details

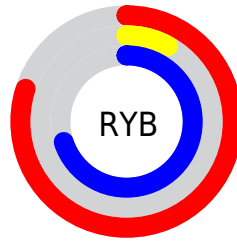
The XYZ color **33.1879, 16.5520, 43.5651** is a dark color, and the websafe version is hex **CC33CC**. The color can be described as middle washed rose. A complement of this color would be **22.3755, 43.5325, 9.8100**, and the grayscale version is **10.3092, 10.8461, 11.8114**.

A 20% lighter version of the original color is **60.2742, 35.5663, 81.5301**, and **15.3787, 7.5004, 20.0392** is the 20% darker color. If you saturate the color by 10%, you get **32.6568, 15.9394, 42.0011**, and if you desaturate by 10%, it is **34.0036, 17.7149, 45.2804**.

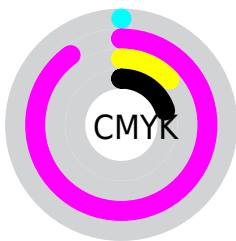
Distribution



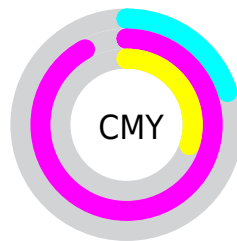
- Red (80%)
- Green (8%)
- Blue (70%)



- Red (80%)
- Yellow (8%)
- Blue (70%)



- Cyan (0%)
- Magenta (90%)
- Yellow (13%)
- Black (20%)





- Cyan (20%)
- Magenta (92%)
- Yellow (30%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.1879, 16.5520, 43.5651 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 33.1879, 16.5520, 43.5651 by changing the saturation by 10% instead.


 33.1879, 16.5520,
43.5651


 33.1879, 16.5520,
43.5651


308.1456,
232.5773, 376.9199


 22.4304, 9.9156,
29.9941


 64.0215, 37.5539,
81.8584

 14.2918, 5.3430,
19.5821


 84.8282, 52.6882,
107.4178


 8.4070, 2.4499,
11.9106


 109.7155, 71.4238,
137.8103

 4.4104, 0.8514,
6.5610

 139.0485, 94.1453,
173.4546

 1.9368, 0.0000,
3.1149

 173.1926,
121.2370, 214.7692

 0.5981, 0.0000,
1.1536

 212.5133,

 0.0000, 0.0000,

153.0833, 262.1725

0.0000

257.3758,
190.0686, 316.0833

■ 33.1879, 16.5520,
43.5651

■ 33.1879, 16.5520,
43.5651

■ 32.6568, 15.9394,
42.0011

■ 34.0036, 17.7149,
45.2804

■ 35.1884, 19.6065,
47.1488

■ 36.7929, 22.3277,
49.1875

■ 38.8593, 25.9627,
51.4107

■ 41.4245, 30.5854,
53.8309

■ 44.5216, 36.2620,
56.4594

■ 48.1811, 43.0532,
59.3063

■ 52.4310, 51.0150,
62.3813

■ 57.2973, 60.1995,
65.6932

Harmonies

Analogous

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



25.6031, 16.5520, 80.8690



33.1879, 16.5520, 43.5651



35.6176, 16.5520, 15.1174

Triad

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



33.1879, 16.5520, 43.5651



14.6822, 16.5520, 0.0000



6.3813, 16.5520, 53.8855

Complementary

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



33.1879, 16.5520, 43.5651



22.3755, 43.5325, 9.8100

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.



5.0992, 16.5520, 21.2774



33.1879, 16.5520, 43.5651



8.7937, 16.5520, 0.7631

Square

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



33.1879, 16.5520, 43.5651



23.1140, 16.5520, 0.3262



5.8106, 16.5520, 5.1327



10.1176, 16.5520, 89.5311

Rectangle

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



33.1879, 16.5520, 43.5651



33.4914, 16.5520, 5.6375



5.8106, 16.5520, 5.1327



5.7164, 16.5520, 41.5615

Sweetspot

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



33.1885, 16.5528, 43.5654



75.3532, 63.0501, 94.8008



12.2121, 5.4084, 57.5277



15.7074, 12.7170, 19.9528



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.



33.1885, 16.5528, 43.5654



54.0213, 26.3725, 69.2355



26.8925, 14.0344, 10.4112



11.6167, 11.3754, 13.7822



20.5805, 10.0428, 26.5734



1.0809, 0.5258, 1.4720

Inverse Universe

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



33.1885, 16.5528, 43.5654



54.0213, 26.3725, 69.2355



26.3644, 45.1281, 30.8156



11.6167, 11.3754, 13.7822



20.5805, 10.0428, 26.5734



1.0809, 0.5258, 1.4720

Previews

White Background



This preview shows how the XYZ color 33.1879, 16.5520, 43.5651 looks on a white 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

Black Background



This preview shows how the XYZ color 33.1879, 16.5520, 43.5651 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

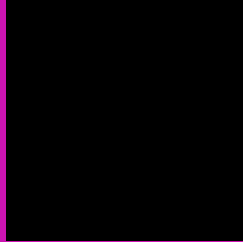
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 33.1879, 16.5520, 43.5651

Background



This preview shows how black text looks on a background with the XYZ color 33.1879, 16.5520, 43.5651.



This preview shows how white text looks on a background with the XYZ color 33.1879, 16.5520,

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

33.1879, 16.5520, 43.5651

Protanopia

20.4272, 17.0924, 80.0644

Deuteranopia

17.2938, 16.8756, 38.9050



Tritanopia

26.1275, 16.7586, 8.6951

Trichromacy



Original Color

33.1879, 16.5520, 43.5651



Protanomaly

17.6155, 11.6186, 64.9325



Deuteranomaly

19.8195, 13.5188, 40.0929



Tritanomaly

27.5424, 15.7442, 17.2101

Monochromacy



Original Color

33.1879, 16.5520, 43.5651



Achromatopsia

10.4043, 10.9462, 11.9204



Achromatomaly

15.2592, 10.3382, 20.2600

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.1879, 16.5520, 43.5651 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(204, 20, 178)` looks like.

```
.text, #text, p{  
    color:rgb(204, 20, 178)  
}
```

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(204, 20, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 20, 178) }
```

Border

The CSS property to change the border of an element to XYZ 33.1879, 16.5520, 43.5651 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(204, 20, 178) }
```


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

```
.border{ border-color:rgb(204, 20, 178) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 20, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 20, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 20, 178);  
box-shadow:4px 4px 4px 4px rgb(204, 20,  
178) }
```

Background

The CSS property to change the background color of an element to XYZ 33.1879, 16.5520, 43.5651 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 20, 178) }
```

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

```
.background{ background-color: rgb(204, 20,  
178) }
```

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