

Converting Colors

XYZ(33.5002, 19.8819, 35.3296)

Have a look what the booklet for
XYZ(33.5002, 19.8819, 35.3296)
contains.

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Color

**XYZ(33.5002, 19.8819,
35.3296)**

Conversions

Conversions Part 1

Format	Color
Hex	CC47A0
RGB	204, 71, 160
RGB Percent	80%, 28%, 63%
CMY	0.2000, 0.7215, 0.3725
CMYK	0.00, 0.65, 0.22, 0.20
HSL	320°, 57%, 54%
HSV	320°, 65%, 80%
XYZ	33.5002, 19.8819, 35.3296
YIQ	120.9130, 50.6990, 55.8750

Conversions

Conversions Part 2

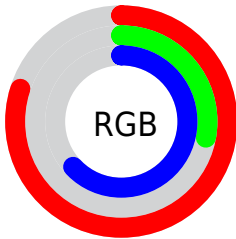
Format	Color
R_{YB}	204, 71, 160
Decimal	13387680
CIE _{Lab}	51.70, 61.36, -20.70
CIE _{LCh}	52, 64.761, 341.357
Yxy	19.8819, 0.3776, 0.2241
Android (android.graphics.Color)	4291577760 (0xFFCC47A0)
YUV	120.9130, 19.2699, 72.8673
Hunter-Lab	44.5891, 56.0776, -15.7653

Details

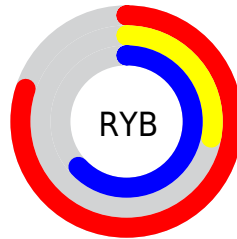
The XYZ color **33.5002, 19.8819, 35.3296** is a dark color, and the websafe version is hex **CC3399**. The color can be described as middle muted rose. A complement of this color would be **27.2869, 45.7637, 23.6170**, and the grayscale version is **18.0752, 19.0165, 20.7090**.

A 20% lighter version of the original color is **61.2249, 41.6046, 69.0936**, and **14.5608, 7.1937, 14.8084** is the 20% darker color. If you saturate the color by 10%, you get **31.8392, 17.4791, 31.9416**, and if you desaturate by 10%, it is **35.6299, 23.1702, 39.0324**.

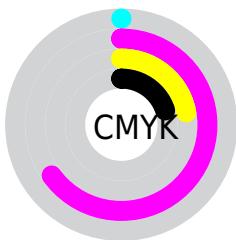
Distribution



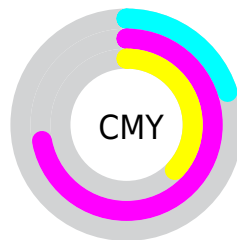
- Red (80%)
- Green (28%)
- Blue (63%)



- Red (80%)
- Yellow (28%)
- Blue (63%)



- Cyan (0%)
- Magenta (65%)
- Yellow (22%)
- Black (20%)




- Cyan (20%)
- Magenta (72%)
- Yellow (37%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.5002, 19.8819, 35.3296 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 33.5002, 19.8819, 35.3296 by changing the saturation by 10% instead.


 33.5002, 19.8819,
35.3296


 33.5002, 19.8819,
35.3296


309.5230,
251.2751, 340.9691


 22.6710, 12.3092,
23.6313


 64.5051, 43.2191,
69.1534


 14.4701, 6.9546,
14.8507


 85.4116, 59.7524,
92.1160


 8.5322, 3.4337,
8.5692


 110.4078, 80.0414,
119.6704

 4.4920, 1.3622,
4.3683

 139.8591,
104.4704, 152.2352

 1.9841, 0.1886,
1.8295

 174.1310,
133.4239, 190.2290

 0.6250, 0.0000,
0.4473

213.5886,

 0.0000, 0.0000,

167.2862, 234.0702

0.0000

258.5975,
206.4418, 284.1774

■ 33.5002, 19.8819,
35.3296

■ 33.5002, 19.8819,
35.3296

■ 31.8392, 17.4791,
31.9416

■ 35.6299, 23.1702,
39.0324

■ 30.5989, 15.8675,
28.8493

■ 38.2661, 27.4198,
43.0644

■ 29.7238, 14.9365,
26.0318

■ 41.4449, 32.7017,
47.4403

■ 29.3821, 14.6295,
24.7575

■ 45.1984, 39.0793,
52.1730

■ 49.5561, 46.6111,
57.2748

■ 54.5455, 55.3511,
62.7568

■ 60.1923, 65.3502,
68.6300

■ 66.5207, 76.6561,
74.9045

■ 73.5539, 89.3141,
81.5902

Harmonies

Analogous

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



28.4884, 19.8819, 61.5188



33.5002, 19.8819, 35.3296



34.1100, 19.8819, 15.2998

Triad

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



33.5002, 19.8819, 35.3296



16.5264, 19.8819, 2.0535



10.9395, 19.8819, 55.2488

Complementary

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



33.5002, 19.8819, 35.3296



27.2869, 45.7637, 23.6170

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.



9.0516, 19.8819, 29.5465



33.5002, 19.8819, 35.3296



11.7437, 19.8819, 4.3021

Square

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



33.5002, 19.8819, 35.3296



23.2110, 19.8819, 2.3100



9.3073, 19.8819, 12.0520



15.1539, 19.8819, 76.8799

Rectangle

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



33.5002, 19.8819, 35.3296



31.8050, 19.8819, 7.7908



9.3073, 19.8819, 12.0520



10.0611, 19.8819, 46.3309

Sweetspot

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



33.5008, 19.8829, 35.3300



78.2841, 70.6262, 90.4930



19.9786, 12.3858, 58.4647



16.3256, 14.3747, 18.8600



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.



33.5008, 19.8829, 35.3300



51.8655, 27.7807, 50.8838



29.2389, 18.1781, 12.8872



11.5236, 11.3382, 13.2918



18.5380, 9.2258, 15.8174



0.9905, 0.4896, 0.9960

Inverse Universe

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



33.5008, 19.8829, 35.3300



51.8655, 27.7807, 50.8838



32.3914, 47.8055, 50.4966



11.5236, 11.3382, 13.2918



18.5380, 9.2258, 15.8174



0.9905, 0.4896, 0.9960

Previews

White Background



This preview shows how the XYZ color 33.5002, 19.8819, 35.3296 looks on a white background.

Color Contrast Check

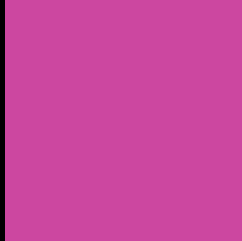
Large Text (above 18pt) WCAG AA ✓ Pass

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 33.5002, 19.8819, 35.3296 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

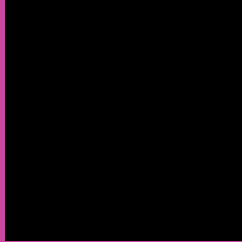
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 33.5002, 19.8819, 35.3296

Background



This preview shows how black text looks on a background with the XYZ color 33.5002, 19.8819, 35.3296.



This preview shows how white text looks on a background with the XYZ color 33.5002, 19.8819,

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

33.5002, 19.8819, 35.3296

Protanopia

21.7623, 20.1779, 56.7806

Deuteranopia

20.3900, 20.0067, 32.4928



Tritanopia

28.7988, 19.7934, 12.8923

Trichromacy



Original Color

33.5002, 19.8819, 35.3296



Protanomaly

23.4387, 18.2716, 48.1904



Deuteranomaly

23.5291, 18.6464, 33.3693



Tritanomaly

30.1067, 19.6220, 19.3402

Monochromacy



Original Color

33.5002, 19.8819, 35.3296



Achromatopsia

18.1737, 19.1202, 20.8219



Achromatomaly

21.9859, 18.0291, 25.2428

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.5002, 19.8819, 35.3296 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, 71, 160)` looks like.

```
.text, #text, p{  
    color:rgb(204, 71, 160)  
}
```

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, 71, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 71, 160) }
```

Border

The CSS property to change the border of an element to XYZ 33.5002, 19.8819, 35.3296 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, 71, 160) }
```


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

```
.border{ border-color:rgb(204, 71, 160) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 71, 160)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 71, 160); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 71, 160);  
box-shadow:4px 4px 4px 4px rgb(204, 71,  
160) }
```

Background

The CSS property to change the background color of an element to XYZ 33.5002, 19.8819, 35.3296 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 71, 160) }
```

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

```
.background{ background-color: rgb(204, 71,  
160) }
```

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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