

Converting Colors

XYZ(33.4778, 20.7731, 31.0993)

Have a look what the booklet for
XYZ(33.4778, 20.7731, 31.0993)
contains.

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Color

**XYZ(33.4778, 20.7731,
31.0993)**

Conversions

Conversions Part 1

Format	Color
Hex	CD4F96
RGB	205, 79, 150
RGB Percent	80%, 31%, 59%
CMY	0.1961, 0.6902, 0.4118
CMYK	0.00, 0.61, 0.27, 0.20
HSL	326°, 56%, 56%
HSV	326°, 61%, 80%
XYZ	33.4778, 20.7731, 31.0993
YIQ	124.7680, 52.3050, 48.7930

Conversions

Conversions Part 2

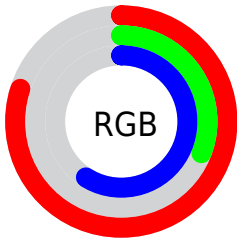
Format	Color
R_{YB}	205, 79, 150
Decimal	13455254
CIE _{Lab}	52.70, 56.99, -13.26
CIE _{LCh}	53, 58.511, 346.898
Yxy	20.7731, 0.3922, 0.2434
Android (android.graphics.Color)	4291645334 (0xFFCD4F96)
YUV	124.7680, 12.4394, 70.3635
Hunter-Lab	45.5775, 51.3520, -8.5516

Details

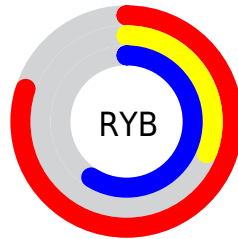
The XYZ color **33.4778, 20.7731, 31.0993** is a dark color, and the websafe version is hex **CC6699**. The color can be described as middle muted rose. A complement of this color would be **29.3599, 47.0467, 30.0902**, and the grayscale version is **19.3632, 20.3716, 22.1846**.

A 20% lighter version of the original color is **60.6642, 42.6698, 62.1655**, and **14.4287, 7.3917, 12.4707** is the 20% darker color. If you saturate the color by 10%, you get **31.5272, 17.9813, 27.0285**, and if you desaturate by 10%, it is **35.9405, 24.5007, 35.6127**.

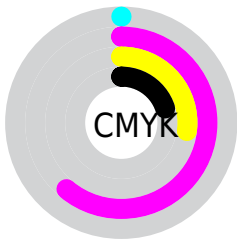
Distribution



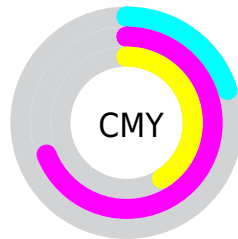
- Red (80%)
- Green (31%)
- Blue (59%)



- Red (80%)
- Yellow (31%)
- Blue (59%)



- Cyan (0%)
- Magenta (61%)
- Yellow (27%)
- Black (20%)




- Cyan (20%)
- Magenta (69%)
- Yellow (41%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.4778, 20.7731, 31.0993 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 33.4778, 20.7731, 31.0993 by changing the saturation by 10% instead.

 33.4778, 20.7731,
31.0993


 33.4778, 20.7731,
31.0993

309.4243,
256.0702, 321.3609


 22.6537, 12.9582,
20.4154


 64.4705, 44.7096,
62.4778


 14.4573, 7.3998,
12.5103


 85.3698, 61.6000,
84.0094

 8.5232, 3.7134,
6.9655


 110.3582, 82.2845,
109.9941

 4.4861, 1.5146,
3.3624

 139.8010,
107.1473, 140.8502

 1.9807, 0.2989,
1.2825

 174.0637,
136.5729, 176.9964

 0.6231, 0.0000,
0.0474

213.5116,

 0.0000, 0.0000,

170.9456, 218.8512

0.0000

258.5100,
210.6499, 266.8332

■ 33.4778, 20.7731,
31.0993

■ 33.4778, 20.7731,
31.0993

■ 31.5272, 17.9813,
27.0285

■ 35.9405, 24.5007,
35.6127

■ 30.0421, 16.0346,
23.3783

■ 38.9526, 29.2372,
40.5864

■ 28.9701, 14.8299,
20.1250

■ 42.5498, 35.0521,
46.0382

■ 28.3009, 14.2288,
17.6293

■ 46.7642, 42.0079,
51.9843

■ 51.6255, 50.1621,
58.4399

■ 57.1614, 59.5685,
65.4194

■ 63.3979, 70.2775,
72.9366

■ 70.3597, 82.3366,
81.0046

■ 75.2958, 90.2427,
88.7113

Harmonies

Analogous

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



29.5817, 20.7731, 54.1224



33.4778, 20.7731, 31.0993



33.1933, 20.7731, 14.2075

Triad

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



33.4778, 20.7731, 31.0993



16.5339, 20.7731, 3.3171



12.7781, 20.7731, 56.9797

Complementary

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



33.4778, 20.7731, 31.0993



29.3599, 47.0467, 30.0902

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.



10.5295, 20.7731, 33.8270



33.4778, 20.7731, 31.0993



12.3724, 20.7731, 6.5758

Square

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



33.4778, 20.7731, 31.0993



22.5179, 20.7731, 3.1599



10.3981, 20.7731, 15.8391



17.2082, 20.7731, 73.4903

Rectangle

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



33.4778, 20.7731, 31.0993



30.6607, 20.7731, 7.8724



10.3981, 20.7731, 15.8391



11.7856, 20.7731, 49.3013

Sweetspot

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



33.4784, 20.7742, 31.0997



79.0551, 72.9061, 88.4751



23.5845, 15.0366, 59.4170



16.4409, 14.8034, 18.2876



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.



33.4784, 20.7742, 31.0997



50.7126, 28.1943, 42.1154



29.7103, 19.2669, 11.2571



11.4726, 11.3178, 13.0234



17.6669, 8.8773, 11.2303



0.9491, 0.4731, 0.7779

Inverse Universe

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



33.4784, 20.7742, 31.0997



50.7126, 28.1943, 42.1154



35.0887, 49.3382, 60.2575



11.4726, 11.3178, 13.0234



17.6669, 8.8773, 11.2303



0.9491, 0.4731, 0.7779

Previews

White Background



This preview shows how the XYZ color 33.4778, 20.7731, 31.0993 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 33.4778, 20.7731, 31.0993 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

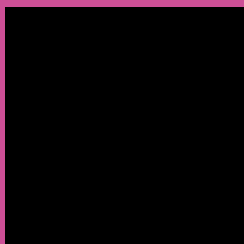
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 33.4778, 20.7731, 31.0993

Background



This preview shows how black text looks on a background with the XYZ color 33.4778, 20.7731, 31.0993.



This preview shows how white text looks on a background with the XYZ color 33.4778, 20.7731,

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

33.4778, 20.7731, 31.0993

Protanopia

21.8355, 20.9808, 47.1548

Deuteranopia

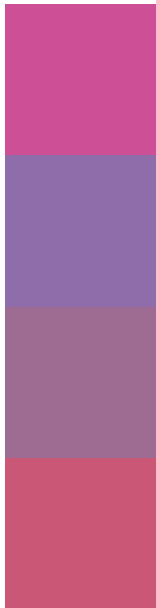
21.4010, 20.9744, 28.9071



Tritanopia

29.7651, 20.6434, 13.9710

Trichromacy



Original Color

33.4778, 20.7731, 31.0993

Protanomaly

23.9460, 19.4670, 40.5256

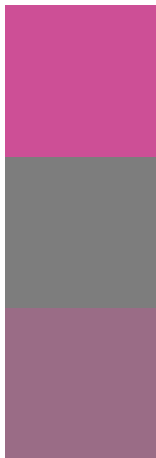
Deuteranomaly

24.5466, 19.8598, 29.7337

Tritanomaly

30.9762, 20.6573, 19.1843

Monochromacy



Original Color

33.4778, 20.7731, 31.0993

Achromatopsia

19.4927, 20.5079, 22.3331

Achromatomaly

22.9921, 19.3164, 25.0709

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.4778, 20.7731, 31.0993 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, 79, 150)` looks like.

```
.text, #text, p{  
    color:rgb(205, 79, 150)  
}
```

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, 79, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 79, 150) }
```

Border

The CSS property to change the border of an element to XYZ 33.4778, 20.7731, 31.0993 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, 79, 150) }
```


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

```
.border{ border-color:rgb(205, 79, 150) }
```

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

Here you see how a box with a 4 pixel rgb(205, 79, 150) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(205, 79, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(205, 79, 150);  
box-shadow:4px 4px 4px 4px rgb(205, 79,  
150) }
```

Background

The CSS property to change the background color of an element to XYZ 33.4778, 20.7731, 31.0993 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 79, 150) }
```

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

```
.background{ background-color: rgb(205, 79,  
150) }
```

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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