

Converting Colors

XYZ(31.1760, 19.3518, 34.7224)

Have a look what the booklet for
XYZ(31.1760, 19.3518, 34.7224)
contains.

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Color

**XYZ(31.2305, 19.4213,
34.9035)**

Conversions

Conversions Part 1

Format	Color
Hex	C24E9F
RGB	194, 78, 159
RGB Percent	76%, 31%, 62%
CMY	0.2392, 0.6941, 0.3765
CMYK	0.00, 0.60, 0.18, 0.24
HSL	318°, 49%, 53%
HSV	318°, 60%, 76%
XYZ	31.2305, 19.4213, 34.9035
YIQ	121.9180, 43.1350, 49.7830

Conversions

Conversions Part 2

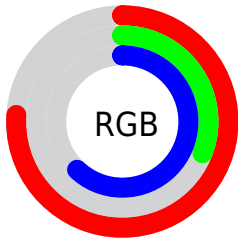
Format	Color
R_{YB}	194, 78, 159
Decimal	12734111
CIE _{Lab}	51.18, 55.47, -21.06
CIE _{LCh}	51, 59.333, 339.214
Yxy	19.4213, 0.3650, 0.2270
Android (android.graphics.Color)	4290924191 (0xFFC24E9F)
YUV	121.9180, 18.2814, 63.2159
Hunter-Lab	44.0696, 49.3745, -16.1095

Details

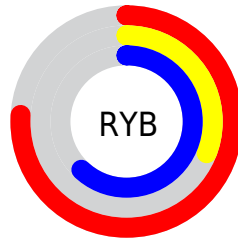
The XYZ color **31.2305, 19.4213, 34.9035** is a dark color, and the websafe version is hex **CC3399**. The color can be described as middle muted rose. A complement of this color would be **25.4153, 41.3961, 22.2753**, and the grayscale version is **18.4051, 19.3636, 21.0870**.

A 20% lighter version of the original color is **61.0331, 42.5127, 68.6073**, and **13.1274, 6.6940, 14.5101** is the 20% darker color. If you saturate the color by 10%, you get **29.5539, 16.8617, 31.8975**, and if you desaturate by 10%, it is **33.3388, 22.8053, 38.1725**.

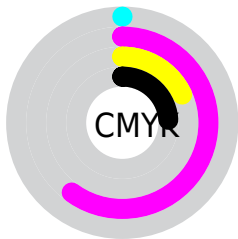
Distribution



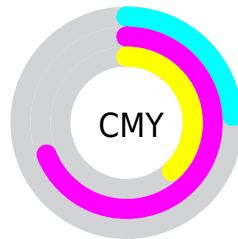
- Red (76%)
- Green (31%)
- Blue (62%)



- Red (76%)
- Yellow (31%)
- Blue (62%)



- Cyan (0%)
- Magenta (60%)
- Yellow (18%)
- Black (24%)




- Cyan (24%)
- Magenta (69%)
- Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 31.2305, 19.4213, 34.9035 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 31.2305, 19.4213, 34.9035 by changing the saturation by 10% instead.


 31.2305, 19.4213,
34.9035


 31.2305, 19.4213,
34.9035


299.4068,
248.7648, 339.0335

 20.9271, 11.9751,
23.3056


 60.9762, 42.4448,
68.4861


 13.1829, 6.7267,
14.6119


 81.1492, 58.7909,
91.3079


 7.6325, 3.2918,
8.4039


 105.3427, 78.8724,
118.7081

 3.9105, 1.2859,
4.2630

 133.9222,
103.0737, 151.1052

 1.6516, 0.1302,
1.7707

 167.2531,
131.7792, 188.9177

 0.4257, 0.0000,
0.4085

205.7005,

 0.0000, 0.0000,

165.3732, 232.5643

0.0000

249.6300,
204.2403, 282.4633

■ 31.2305, 19.4213,
34.9035

■ 31.2305, 19.4213,
34.9035

■ 29.5539, 16.8617,
31.8975

■ 33.3388, 22.8053,
38.1725

■ 28.2700, 15.0498,
29.1393

■ 35.9098, 27.0760,
41.7158

■ 27.3355, 13.8991,
26.6130

■ 38.9737, 32.2927,
45.5453

■ 26.6672, 13.2440,
24.2892

■ 42.5573, 38.5090,
49.6714

■ 26.6541, 13.2317,
24.2421

■ 46.6856, 45.7743,
54.1040

■ 51.3820, 54.1347,
58.8523

■ 56.6685, 63.6336,
63.9251

■ 62.5656, 74.3122,
69.3307

■ 69.0933, 86.2093,
75.0772

Harmonies

Analogous

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



26.6030, 19.4213, 57.6425



31.2305, 19.4213, 34.9035



32.0789, 19.4213, 16.3581

Triad

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



31.2305, 19.4213, 34.9035



16.7014, 19.4213, 2.5544



10.9893, 19.4213, 49.0652

Complementary

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



31.2305, 19.4213, 34.9035



25.4153, 41.3961, 22.2753

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.



9.3711, 19.4213, 26.7886



31.2305, 19.4213, 34.9035



12.1745, 19.4213, 4.6386

Square

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



31.2305, 19.4213, 34.9035



22.7864, 19.4213, 2.9917



9.7530, 19.4213, 11.5829



14.7180, 19.4213, 68.4044

Rectangle

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



31.2305, 19.4213, 34.9035



30.2405, 19.4213, 8.9202



9.7530, 19.4213, 11.5829



10.2209, 19.4213, 41.3043

Sweetspot

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



31.2311, 19.4223, 34.9039



78.1645, 71.6261, 91.1646



19.2474, 12.8424, 52.5036



16.6636, 14.8925, 19.4604



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.



31.2311, 19.4223, 34.9039



52.6889, 29.3052, 56.0668



27.3321, 17.8626, 14.3719



10.3636, 10.1941, 12.0055



17.5619, 8.7145, 16.1370



0.7881, 0.3883, 0.8518

Inverse Universe

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



31.2311, 19.4223, 34.9039



52.6889, 29.3052, 56.0668



29.7661, 43.1365, 45.1863



10.3636, 10.1941, 12.0055



17.5619, 8.7145, 16.1370



0.7881, 0.3883, 0.8518

Previews

White Background



This preview shows how the XYZ color 31.2305, 19.4213, 34.9035 looks on a white background.

Color Contrast Check

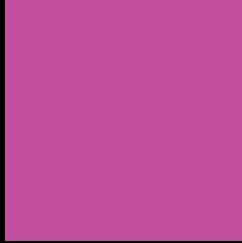
Large Text (above 18pt) WCAG AA ✓ Pass

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 31.2305, 19.4213, 34.9035 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

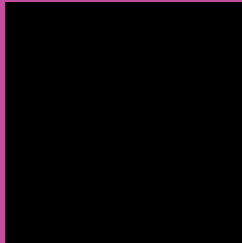
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 31.2305, 19.4213, 34.9035

Background



This preview shows how black text looks on a background with the XYZ color 31.2305, 19.4213, 34.9035.



This preview shows how white text looks on a background with the XYZ color 31.2305, 19.4213,

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

31.2305, 19.4213, 34.9035

Protanopia

21.0548, 19.7255, 52.5669

Deuteranopia

19.9917, 19.6219, 32.4395



Tritanopia

26.9055, 19.4209, 14.1349

Trichromacy



Original Color

31.2305, 19.4213, 34.9035



Protanomaly

22.8055, 18.3040, 45.5111



Deuteranomaly

22.8220, 18.5807, 33.3939



Tritanomaly

28.1761, 19.3071, 20.3308

Monochromacy



Original Color

31.2305, 19.4213, 34.9035



Achromatopsia

18.4984, 19.4618, 21.1939



Achromatomaly

21.7400, 18.3532, 25.3184

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.2305, 19.4213, 34.9035 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(194, 78, 159)` looks like.

```
.text, #text, p{  
    color:rgb(194, 78, 159)  
}
```

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(194, 78, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(194, 78, 159) }
```

Border

The CSS property to change the border of an element to XYZ 31.2305, 19.4213, 34.9035 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(194, 78, 159) }
```


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

```
.border{ border-color:rgb(194, 78, 159) }
```

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

Here you see how a box with a 4 pixel `rgb(194, 78, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(194, 78, 159); -webkit-box-shadow:4px 4px 4px 4px rgb(194, 78, 159); box-shadow:4px 4px 4px 4px rgb(194, 78, 159) }
```

Background

The CSS property to change the background color of an element to XYZ 31.2305, 19.4213, 34.9035 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(194, 78, 159) }
```

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

```
.background{ background-color: rgb(194, 78,  
159) }
```

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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