

Converting Colors

XYZ(32.0690, 19.1470, 38.5039)

Have a look what the booklet for
XYZ(32.0690, 19.1470, 38.5039)
contains.

XYZ(32.0574, 19.1605, 38.5680)	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(32.0574, 19.1605,
38.5680)**

Conversions

Conversions Part 1

Format	Color
Hex	C448A7
RGB	196, 72, 167
RGB Percent	77%, 28%, 65%
CMY	0.2314, 0.7176, 0.3451
CMYK	0.00, 0.63, 0.15, 0.23
HSL	314°, 51%, 53%
HSV	314°, 63%, 77%
XYZ	32.0574, 19.1605, 38.5680
YIQ	119.9060, 43.4090, 55.8330

Conversions

Conversions Part 2

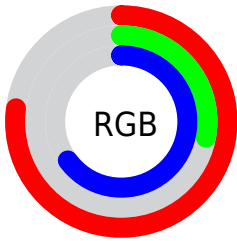
Format	Color
RYB	196, 72, 167
Decimal	12863655
CIELab	50.87, 59.79, -26.21
CIELCh	51, 65.283, 336.330
Yxy	19.1605, 0.3570, 0.2134
Android (android.graphics.Color)	4291053735 (0xFFC448A7)
YUV	119.9060, 23.2173, 66.7344
Hunter-Lab	43.7727, 54.1241, -21.5993

Details

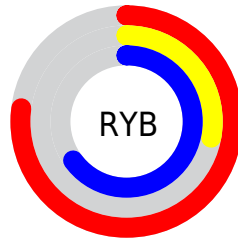
The XYZ color **32.0574, 19.1605, 38.5680** is a dark color, and the websafe version is hex **CC3399**. The color can be described as middle muted rose. A complement of this color would be **24.7623, 41.7979, 19.0762**, and the grayscale version is **17.7419, 18.6659, 20.3271**.

A 20% lighter version of the original color is **62.1440, 41.9723, 73.9334**, and **13.7420, 6.7268, 16.7938** is the 20% darker color. If you saturate the color by 10%, you get **30.5700, 16.8517, 36.0183**, and if you desaturate by 10%, it is **33.9648, 22.2847, 41.3322**.

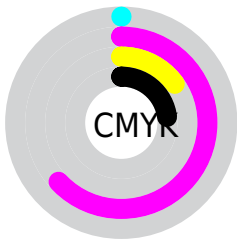
Distribution



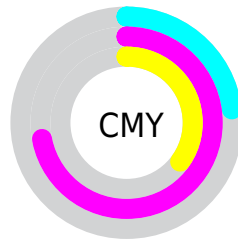
- Red (77%)
- Green (28%)
- Blue (65%)



- Red (77%)
- Yellow (28%)
- Blue (65%)



- Cyan (0%)
- Magenta (63%)
- Yellow (15%)
- Black (23%)



- Cyan (23%)
- Magenta (72%)
- Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 32.0574, 19.1605, 38.5680 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 32.0574, 19.1605, 38.5680 by changing the saturation by 10% instead.

■ 32.0574, 19.1605,
38.5680

■ 32.0574, 19.1605,
38.5680

303.1213,
247.3334, 355.4213

■ 21.5611, 11.7863,
26.1186

■ 62.2656, 42.0051,
74.1910

■ 13.6496, 6.5983,
16.6858

■ 82.7083, 58.2444,
98.2016

■ 7.9574, 3.2122,
9.8512

■ 107.1971, 78.2074,
126.9030

■ 4.1193, 1.2435,
5.1961

■ 136.0975,
102.2786, 160.7138

■ 1.7698, 0.0968,
2.3020

■ 169.7747,
130.8424, 200.0525

■ 0.4994, 0.0000,
0.7323

208.5942,

■ 0.0000, 0.0000,

164.2832, 245.3376

0.0000

252.9213,
202.9854, 296.9877

■ 32.0574, 19.1605,
38.5680

■ 32.0574, 19.1605,
38.5680

■ 30.5700, 16.8517,
36.0183

■ 33.9648, 22.2847,
41.3322

■ 29.4608, 15.2757,
33.6679

■ 36.3253, 26.2911,
44.3221

■ 28.6820, 14.3371,
31.5002

■ 39.1706, 31.2426,
47.5492

■ 28.2831, 13.9430,
30.1222

■ 42.5291, 37.1955,
51.0237

■ 46.4268, 44.2020,
54.7550

■ 50.8880, 52.3104,
58.7518

■ 55.9356, 61.5660,
63.0226

■ 61.5910, 72.0116,
67.5751

■ 67.8747, 83.6879,
72.4169

Harmonies

Analogous

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



26.5697, 19.1605, 64.4132



32.0574, 19.1605, 38.5680



33.4856, 19.1605, 17.1940

Triad

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



32.0574, 19.1605, 38.5680



16.8809, 19.1605, 1.7441



9.9513, 19.1605, 49.6867

Complementary

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



32.0574, 19.1605, 38.5680



24.7623, 41.7979, 19.0762

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.



8.4739, 19.1605, 25.0189



32.0574, 19.1605, 38.5680



11.8205, 19.1605, 3.3561

Square

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



32.0574, 19.1605, 38.5680



23.6444, 19.1605, 2.3279



9.0670, 19.1605, 9.6247



13.6819, 19.1605, 73.0584

Rectangle

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



32.0574, 19.1605, 38.5680



31.7047, 19.1605, 8.7614



9.0670, 19.1605, 9.6247



9.2204, 19.1605, 40.8583

Sweetspot

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



32.0580, 19.1614, 38.5684



79.7228, 72.1794, 95.0543



17.6416, 11.3842, 53.4926



16.6404, 14.6904, 19.9325



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.



32.0580, 19.1614, 38.5684



54.5116, 29.2558, 63.5335



27.6364, 17.3928, 15.2844



10.3933, 10.2059, 12.1615



18.2075, 8.9727, 19.5363



0.8118, 0.3977, 0.9763

Inverse Universe

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



32.0580, 19.1614, 38.5684



54.5116, 29.2558, 63.5335



29.0181, 43.5002, 41.4870



10.3933, 10.2059, 12.1615



18.2075, 8.9727, 19.5363



0.8118, 0.3977, 0.9763

Previews

White Background



This preview shows how the XYZ color 32.0574, 19.1605, 38.5680 looks on a white background.

Color Contrast Check

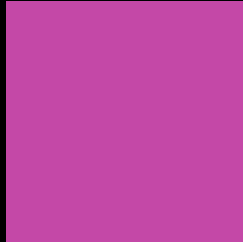
Large Text (above 18pt) WCAG AA ✓ Pass

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 32.0574, 19.1605, 38.5680 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

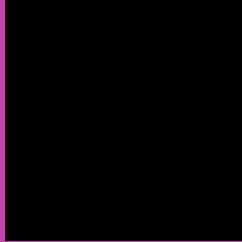
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 32.0574, 19.1605, 38.5680

Background



This preview shows how black text looks on a background with the XYZ color 32.0574, 19.1605, 38.5680.



This preview shows how white text looks on a background with the XYZ color 32.0574, 19.1605,

38.5680.

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

32.0574, 19.1605, 38.5680

Protanopia

21.3626, 19.5327, 60.4019

Deuteranopia

19.8717, 19.4817, 35.9707



Tritanopia

26.8850, 19.1641, 13.5913

Trichromacy



Original Color

32.0574, 19.1605, 38.5680



Protanomaly

22.6128, 17.6243, 51.5002



Deuteranomaly

22.7888, 18.1845, 36.9592



Tritanomaly

28.4214, 18.9523, 20.5725

Monochromacy



Original Color

32.0574, 19.1605, 38.5680



Achromatopsia

17.8524, 18.7821, 20.4537



Achromatomaly

21.5783, 17.8025, 25.9658

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.0574, 19.1605, 38.5680 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(196, 72, 167)` looks like.

```
.text, #text, p{  
    color:rgb(196, 72, 167)  
}
```

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(196, 72, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 72, 167) }
```

Border

The CSS property to change the border of an element to XYZ 32.0574, 19.1605, 38.5680 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(196, 72, 167) }
```


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

```
.border{ border-color:rgb(196, 72, 167) }
```

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

Here you see how a box with a 4 pixel `rgb(196, 72, 167)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(196, 72, 167); -webkit-box-shadow:4px 4px 4px 4px rgb(196, 72, 167); box-shadow:4px 4px 4px 4px rgb(196, 72, 167) }
```

Background

The CSS property to change the background color of an element to XYZ 32.0574, 19.1605, 38.5680 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 72, 167) }
```

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

```
.background{ background-color: rgb(196, 72,  
167) }
```

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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