

Converting Colors

XYZ(32.1129, 19.1067, 48.2790)

Have a look what the booklet for
XYZ(32.1129, 19.1067, 48.2790)
contains.

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Color

**XYZ(32.2317, 19.1291,
48.4479)**

Conversions

Conversions Part 1

Format	Color
Hex	BD49BA
RGB	189, 73, 186
RGB Percent	74%, 29%, 73%
CMY	0.2588, 0.7137, 0.2706
CMYK	0.00, 0.61, 0.02, 0.26
HSL	302°, 47%, 51%
HSV	302°, 61%, 74%
XYZ	32.2317, 19.1291, 48.4479
YIQ	120.5660, 32.8630, 59.7350

Conversions

Conversions Part 2

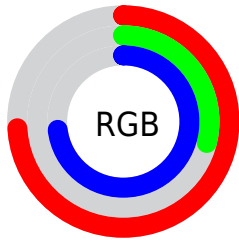
Format	Color
R_{YB}	189, 73, 186
Decimal	12405178
CIE _{Lab}	50.84, 60.58, -37.45
CIE _{LCh}	51, 71.219, 328.276
Yxy	19.1291, 0.3229, 0.1917
Android (android.graphics.Color)	4290595258 (0xFFBD49BA)
YUV	120.5660, 32.2590, 60.0166
Hunter-Lab	43.7368, 55.0055, -35.0606

Details

The XYZ color **32.2317, 19.1291, 48.4479** is a dark color, and the websafe version is hex **CC66CC**. A complement of this color would be **22.2506, 38.3342, 13.0651**, and the grayscale version is **17.9272, 18.8608, 20.5394**.

A 20% lighter version of the original color is **62.7393, 42.1280, 89.6188**, and **13.6806, 6.5715, 22.3772** is the 20% darker color. If you saturate the color by 10%, you get **31.1217, 16.9915, 47.8220**, and if you desaturate by 10%, it is **33.7205, 22.0230, 49.2012**.

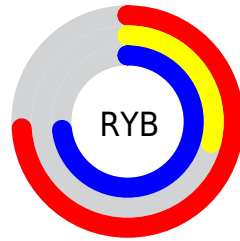
Distribution



Red (74%)

Green (29%)

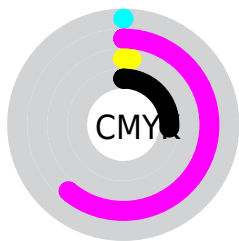
Blue (73%)



Red (74%)

Yellow (29%)

Blue (73%)

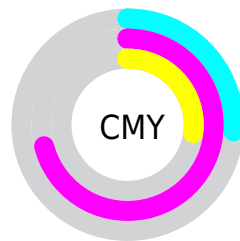


Cyan (0%)

Magenta (61%)

Yellow (2%)

Black (26%)



Cyan (26%)

Magenta (71%)

Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 32.2317, 19.1291, 48.4479 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 32.2317, 19.1291, 48.4479 by changing the saturation by 10% instead.

■ 32.2317, 19.1291,
48.4479

■ 32.2317, 19.1291,
48.4479

303.8999,
247.1605, 397.1246

■ 21.6949, 11.7636,
33.8192

■ 62.5369, 41.9521,
89.2434

■ 13.7483, 6.5829,
22.4785

■ 83.0360, 58.1785,
116.2473

■ 8.0263, 3.2027,
14.0073

■ 107.5867, 78.1272,
148.2133

■ 4.1637, 1.2384,
7.9869

■ 136.5542,
102.1827, 185.5600

■ 1.7952, 0.0928,
3.9989

■ 170.3039,
130.7294, 228.7060

■ 0.5148, 0.0000,
1.6247

209.2012,

■ 0.0000, 0.0000,

164.1517, 278.0697

0.3084

253.6114,
202.8339, 334.0697

■ 0.0000, 0.0000,
0.0000

■ 32.2317, 19.1291,
48.4479

■ 32.2317, 19.1291,
48.4479

■ 31.1217, 16.9915,
47.8220

■ 33.7205, 22.0230,
49.2012

■ 30.3530, 15.5369,
47.3107

■ 35.6171, 25.7324,
50.0912

■ 29.8842, 14.6818,
46.9002

■ 37.9498, 30.3140,
51.1274

■ 29.6500, 14.2843,
46.6035

■ 40.7441, 35.8184,
52.3183

■ 44.0233, 42.2923,
53.6718

■ 47.8092, 49.7794,
55.1950

■ 52.1225, 58.3208,
56.8949

■ 56.9823, 67.9552,
58.7779

■ 62.4071, 78.7192,
60.8501

Harmonies

Analogous

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



25.3465, 19.1291, 76.7060



32.2317, 19.1291, 48.4479



35.2641, 19.1291, 22.0118

Triad

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



32.2317, 19.1291, 48.4479



18.5903, 19.1291, 1.1634



8.7043, 19.1291, 45.0005

Complementary

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



32.2317, 19.1291, 48.4479



22.2506, 38.3342, 13.0651

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.



7.7598, 19.1291, 19.6880



32.2317, 19.1291, 48.4479



12.5129, 19.1291, 1.9713

Square

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



32.2317, 19.1291, 48.4479



26.2335, 19.1291, 2.2226



8.9550, 19.1291, 6.4065



11.9731, 19.1291, 73.9686

Rectangle

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



32.2317, 19.1291, 48.4479



34.2261, 19.1291, 10.9136



8.9550, 19.1291, 6.4065



8.1482, 19.1291, 35.4371

Sweetspot

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



32.2324, 19.1300, 48.4483



74.6892, 67.5379, 94.4173



14.4652, 9.9334, 49.2996



15.7122, 13.8344, 20.1583



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



32.2324, 19.1300, 48.4483



55.1452, 29.3018, 85.2764



27.3365, 17.1716, 22.6670



9.9190, 9.6919, 11.9626



19.9538, 9.6127, 31.3802



0.7850, 0.3779, 1.2471

Inverse Universe

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



32.2324, 19.1300, 48.4483



55.1452, 29.3018, 85.2764



25.1751, 39.5040, 28.4655



9.9190, 9.6919, 11.9626



19.9538, 9.6127, 31.3802



0.7850, 0.3779, 1.2471

Previews

White Background



This preview shows how the XYZ color 32.2317, 19.1291, 48.4479 looks on a white background.

Color Contrast Check

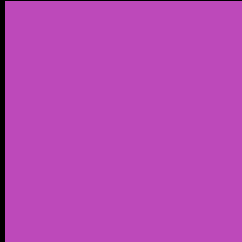
Large Text (above 18pt) WCAG AA ✓ Pass

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 32.2317, 19.1291, 48.4479 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

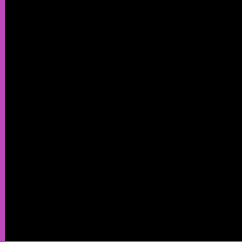
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 32.2317, 19.1291, 48.4479

Background



This preview shows how black text looks on a background with the XYZ color 32.2317, 19.1291, 48.4479.



This preview shows how white text looks on a background with the XYZ color 32.2317, 19.1291,

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

32.2317, 19.1291, 48.4479

Protanopia

22.4579, 19.5929, 75.2712

Deuteranopia

19.9103, 19.4858, 44.8312



Tritanopia

25.2215, 18.9287, 15.1563

Trichromacy



Original Color

32.2317, 19.1291, 48.4479



Protanomaly

22.9417, 17.5074, 64.4575



Deuteranomaly

22.6509, 18.0621, 46.0086



Tritanomaly

27.2518, 18.7402, 24.3712

Monochromacy



Original Color

32.2317, 19.1291, 48.4479



Achromatopsia

18.1737, 19.1202, 20.8219



Achromatomaly

21.9152, 18.0560, 29.1182

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.2317, 19.1291, 48.4479 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(189, 73, 186)` looks like.

```
.text, #text, p{  
    color:rgb(189, 73, 186)  
}
```

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(189, 73, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 73, 186) }
```

Border

The CSS property to change the border of an element to XYZ 32.2317, 19.1291, 48.4479 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(189, 73, 186) }
```


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

```
.border{ border-color:rgb(189, 73, 186) }
```

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

Here you see how a box with a 4 pixel rgb(189, 73, 186) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 73, 186); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 73, 186);  
box-shadow:4px 4px 4px 4px rgb(189, 73,  
186) }
```

Background

The CSS property to change the background color of an element to XYZ 32.2317, 19.1291, 48.4479 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 73, 186) }
```

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

```
.background{ background-color: rgb(189, 73,  
186) }
```

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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