

Converting Colors

XYZ(30.3765, 19.1648, 36.2806)

Have a look what the booklet for
XYZ(30.3765, 19.1648, 36.2806)
contains.

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Color

**XYZ(30.3765, 19.1648,
36.2806)**

Conversions

Conversions Part 1

Format	Color
Hex	BD50A2
RGB	189, 80, 162
RGB Percent	74%, 31%, 64%
CMY	0.2588, 0.6863, 0.3647
CMYK	0.00, 0.58, 0.14, 0.26
HSL	315°, 45%, 53%
HSV	315°, 58%, 74%
XYZ	30.3765, 19.1648, 36.2806
YIQ	121.9390, 38.6420, 48.6100

Conversions

Conversions Part 2

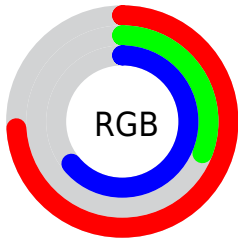
Format	Color
R _Y B	189, 80, 162
Decimal	12406946
CIE Lab	50.88, 53.58, -23.35
CIE LCh	51, 58.442, 336.456
Yxy	19.1648, 0.3539, 0.2233
Android (android.graphics.Color)	4290597026 (0xFFBD50A2)
YUV	121.9390, 19.7501, 58.8125
Hunter-Lab	43.7776, 47.2471, -18.4921

Details

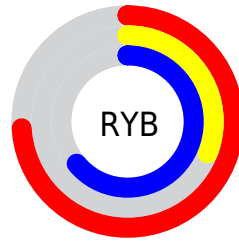
The XYZ color **30.3765, 19.1648, 36.2806** is a dark color, and the websafe version is hex **CC3399**. A complement of this color would be **24.1606, 39.1628, 20.1973**, and the grayscale version is **18.4084, 19.3670, 21.0907**.

A 20% lighter version of the original color is **59.7609, 42.0164, 70.6059**, and **12.7375, 6.6126, 15.3569** is the 20% darker color. If you saturate the color by 10%, you get **28.7738, 16.6129, 33.7312**, and if you desaturate by 10%, it is **32.3850, 22.5030, 39.0421**.

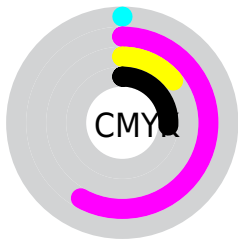
Distribution



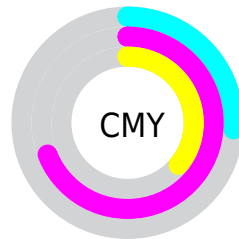
- Red (74%)
- Green (31%)
- Blue (64%)



- Red (74%)
- Yellow (31%)
- Blue (64%)



- Cyan (0%)
- Magenta (58%)
- Yellow (14%)
- Black (26%)





- Cyan (26%)
- Magenta (69%)
- Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.3765, 19.1648, 36.2806 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 30.3765, 19.1648, 36.2806 by changing the saturation by 10% instead.


 30.3765, 19.1648,
36.2806


 30.3765, 19.1648,
36.2806


295.5339,
247.3570, 345.2598


 20.2740, 11.7894,
24.3596

 59.6396, 42.0124,
70.6389


 12.7038, 6.6005,
15.3859


 79.5310, 58.2534,
93.9132


 7.3005, 3.2135,
8.9410

 103.4161, 78.2184,
121.8090

 3.6987, 1.2442,
4.6065

 131.6601,
102.2918, 154.7449

 1.5331, 0.0974,
1.9636

 164.6286,
130.8579, 193.1394

 0.3482, 0.0000,
0.5328

202.6868,

 0.0000, 0.0000,

164.3013, 237.4110

0.0000

246.2001,
203.0062, 287.9783

■ 30.3765, 19.1648,
36.2806

■ 30.3765, 19.1648,
36.2806

■ 28.7738, 16.6129,
33.7312

■ 32.3850, 22.5030,
39.0421

■ 27.5415, 14.7774,
31.3807

■ 34.8275, 26.6843,
42.0254

■ 26.6406, 13.5806,
29.2154

■ 37.7314, 31.7632,
45.2405

■ 26.0129, 12.9060,
27.2152

■ 41.1215, 37.7889,
48.6966

■ 25.8825, 12.7773,
26.7648

■ 45.0207, 44.8071,
52.4020

■ 49.4506, 52.8604,
56.3646

■ 54.4313, 61.9890,
60.5920

■ 59.9819, 72.2310,
65.0912

■ 66.1207, 83.6225,
69.8691

Harmonies

Analogous

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



25.6234, 19.1648, 58.2038



30.3765, 19.1648, 36.2806



31.5905, 19.1648, 17.4993

Triad

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



30.3765, 19.1648, 36.2806



16.9981, 19.1648, 2.5522



10.6788, 19.1648, 45.9680

Complementary

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



30.3765, 19.1648, 36.2806



24.1606, 39.1628, 20.1973

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.



9.2759, 19.1648, 24.6417



30.3765, 19.1648, 36.2806



12.3938, 19.1648, 4.3370

Square

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



30.3765, 19.1648, 36.2806



23.0091, 19.1648, 3.2019



9.8299, 19.1648, 10.5858



14.1388, 19.1648, 65.5625

Rectangle

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



30.3765, 19.1648, 36.2806



30.0432, 19.1648, 9.6835



9.8299, 19.1648, 10.5858



9.9884, 19.1648, 38.4343

Sweetspot

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



30.3771, 19.1657, 36.2810



73.9078, 68.1441, 87.4700



17.9317, 12.4422, 49.6009



15.6150, 14.1560, 18.5350



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.



30.3771, 19.1657, 36.2810



50.9376, 28.8398, 59.3552



26.6196, 17.6627, 16.4943



9.8262, 9.6548, 11.4738



17.4461, 8.6096, 18.1748



0.7080, 0.3471, 0.8413

Inverse Universe

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



30.3771, 19.1657, 36.2810



50.9376, 28.8398, 59.3552



27.8460, 40.6369, 39.6041



9.8262, 9.6548, 11.4738



17.4461, 8.6096, 18.1748



0.7080, 0.3471, 0.8413

Previews

White Background



This preview shows how the XYZ color 30.3765, 19.1648, 36.2806 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 30.3765, 19.1648, 36.2806 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

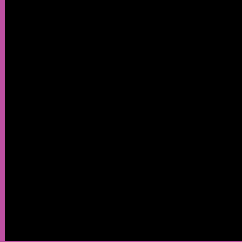
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 30.3765, 19.1648, 36.2806

Background



This preview shows how black text looks on a background with the XYZ color 30.3765, 19.1648, 36.2806.

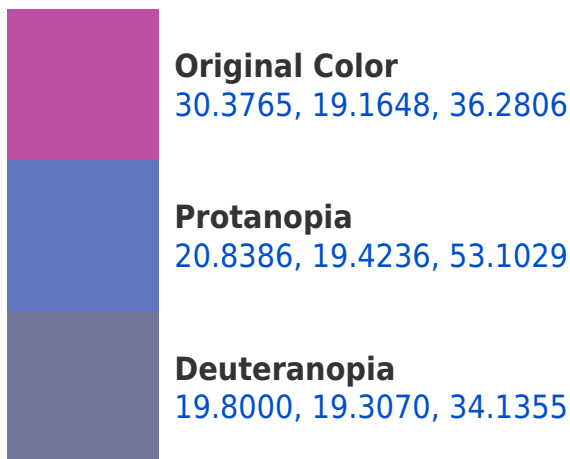


This preview shows how white text looks on a background with the XYZ color 30.3765, 19.1648,

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





Tritanopia

26.0189, 19.2110, 14.9071

Trichromacy



Original Color

30.3765, 19.1648, 36.2806



Protanomaly

22.5483, 18.1477, 46.5704



Deuteranomaly

22.5508, 18.4114, 34.7130



Tritanomaly

27.3018, 19.0819, 21.3130

Monochromacy



Original Color

30.3765, 19.1648, 36.2806



Achromatopsia

18.4984, 19.4618, 21.1939



Achromatomaly

21.6271, 18.4325, 26.0849

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.3765, 19.1648, 36.2806 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, 80, 162)` looks like.

```
.text, #text, p{  
    color:rgb(189, 80, 162)  
}
```

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, 80, 162) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 80, 162) }
```

Border

The CSS property to change the border of an element to XYZ 30.3765, 19.1648, 36.2806 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, 80, 162) }
```


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

```
.border{ border-color:rgb(189, 80, 162) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 80, 162)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 80, 162); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 80, 162);  
box-shadow:4px 4px 4px 4px rgb(189, 80,  
162) }
```

Background

The CSS property to change the background color of an element to XYZ 30.3765, 19.1648, 36.2806 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 80, 162) }
```

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

```
.background{ background-color: rgb(189, 80,  
162) }
```

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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