

Converting Colors

XYZ(31.6763, 19.3535, 41.4100)

Have a look what the booklet for
XYZ(31.6763, 19.3535, 41.4100)
contains.

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Color

**XYZ(31.6826, 19.4013,
41.6101)**

Conversions

Conversions Part 1

Format	Color
Hex	BF4DAD
RGB	191, 77, 173
RGB Percent	75%, 30%, 68%
CMY	0.2510, 0.6980, 0.3216
CMYK	0.00, 0.60, 0.09, 0.25
HSL	309°, 47%, 53%
HSV	309°, 60%, 75%
XYZ	31.6826, 19.4013, 41.6101
YIQ	122.0300, 37.1280, 54.0240

Conversions

Conversions Part 2

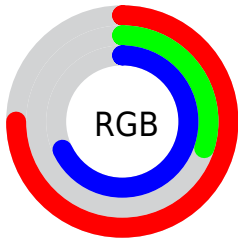
Format	Color
RYB	191, 77, 173
Decimal	12537261
CIELab	51.15, 57.23, -29.35
CIELCh	51, 64.317, 332.845
Yxy	19.4013, 0.3418, 0.2093
Android (android.graphics.Color)	4290727341 (0xFFBF4DAD)
YUV	122.0300, 25.1282, 60.4867
Hunter-Lab	44.0469, 51.3116, -25.1771

Details

The XYZ color **31.6826, 19.4013, 41.6101** is a dark color, and the websafe version is hex **CC66CC**. A complement of this color would be **23.7579, 39.6664, 17.2322**, and the grayscale version is **18.4214, 19.3808, 21.1057**.

A 20% lighter version of the original color is **61.8185, 42.4837, 79.0707**, and **13.3414, 6.6637, 18.3524** is the 20% darker color. If you saturate the color by 10%, you get **30.2486, 16.9948, 39.7085**, and if you desaturate by 10%, it is **33.5168, 22.5968, 43.6779**.

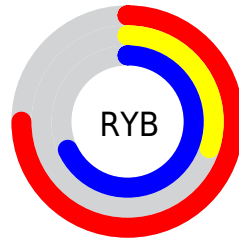
Distribution



Red (75%)

Green (30%)

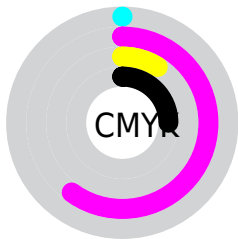
Blue (68%)



Red (75%)

Yellow (30%)

Blue (68%)

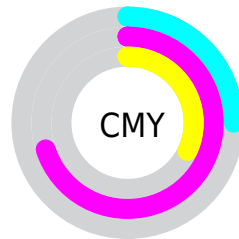


Cyan (0%)

Magenta (60%)

Yellow (9%)

Black (25%)



Cyan (25%)

Magenta (70%)

Yellow (32%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.6826, 19.4013, 41.6101 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 31.6826, 19.4013, 41.6101 by changing the saturation by 10% instead.

31.6826, 19.4013,
41.6101

31.6826, 19.4013,
41.6101

301.4419,
248.6553, 368.6160

21.2736, 11.9606,
28.4728

61.6817, 42.4111,
78.8729

13.4377, 6.7169,
18.4402

82.0025, 58.7490,
103.8355

7.8097, 3.2857,
11.0938

106.3579, 78.8214,
133.5769

4.0242, 1.2826,
6.0150

135.1134,
103.0128, 168.5158

1.7158, 0.1277,
2.7853

168.6341,
131.7075, 209.0706

0.4662, 0.0000,
0.9861

207.2855,

0.0000, 0.0000,

165.2898, 255.6598

0.0000

251.4330,
204.1443, 308.7021

■ 31.6826, 19.4013,
41.6101

■ 31.6826, 19.4013,
41.6101

■ 30.2486, 16.9948,
39.7085

■ 33.5168, 22.5968,
43.6779

■ 29.1774, 15.3037,
37.9600

■ 35.7803, 26.6410,
45.9214

■ 28.4276, 14.2451,
36.3507

■ 38.5021, 31.5909,
48.3506

■ 27.9201, 13.6606,
34.8540

■ 41.7077, 37.4977,
50.9742

■ 27.9051, 13.6441,
34.8074

■ 45.4210, 44.4090,
53.8003

■ 49.6641, 52.3690,
56.8366

■ 54.4578, 61.4195,
60.0902

■ 59.8219, 71.5997,
63.5678

■ 65.7752, 82.9471,
67.2760

Harmonies

Analogous

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



25.9429, 19.4013, 66.6522



31.6826, 19.4013, 41.6101



33.6437, 19.4013, 19.4254

Triad

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



31.6826, 19.4013, 41.6101



17.8370, 19.4013, 1.8639



9.9210, 19.4013, 46.5483

Complementary

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



31.6826, 19.4013, 41.6101



23.7579, 39.6664, 17.2322

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.



8.6862, 19.4013, 22.9204



31.6826, 19.4013, 41.6101



12.5446, 19.4013, 3.2041

Square

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



31.6826, 19.4013, 41.6101



24.6388, 19.4013, 2.7325



9.5229, 19.4013, 8.7866



13.3798, 19.4013, 70.4816

Rectangle

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



31.6826, 19.4013, 41.6101



32.2465, 19.4013, 10.1930



9.5229, 19.4013, 8.7866



9.2736, 19.4013, 37.9516

Sweetspot

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



31.6833, 19.4022, 41.6105



75.5721, 68.7783, 91.9796



16.6853, 11.4555, 50.6225



16.1948, 14.3620, 19.8824



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

Same Dimension

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



31.6833, 19.4022, 41.6105



53.4416, 29.2524, 70.0050



27.3456, 17.6672, 18.7689



9.8635, 9.6697, 11.6701



18.3632, 8.9764, 23.0040



0.7370, 0.3587, 0.9941

Inverse Universe

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



31.6833, 19.4022, 41.6105



53.4416, 29.2524, 70.0050



27.2863, 41.0778, 35.8126



9.8635, 9.6697, 11.6701



18.3632, 8.9764, 23.0040



0.7370, 0.3587, 0.9941

Previews

White Background



This preview shows how the XYZ color 31.6826, 19.4013, 41.6101 looks on a white background.

Color Contrast Check

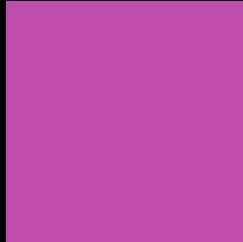
Large Text (above 18pt) WCAG AA ✓ Pass

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 31.6826, 19.4013, 41.6101 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

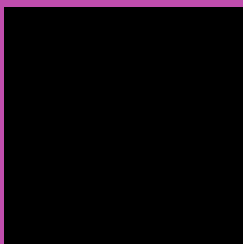
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 31.6826, 19.4013, 41.6101

Background



This preview shows how black text looks on a background with the XYZ color 31.6826, 19.4013, 41.6101.



This preview shows how white text looks on a background with the XYZ color 31.6826, 19.4013,

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

31.6826, 19.4013, 41.6101

Protanopia

21.8813, 19.9212, 63.0135

Deuteranopia

20.1507, 19.7429, 38.8251



Tritanopia

26.1096, 19.3923, 14.9373

Trichromacy



Original Color

31.6826, 19.4013, 41.6101

Protanomaly

23.0825, 18.0971, 54.5011

Deuteranomaly

22.8605, 18.4567, 39.8937

Tritanomaly

27.7184, 19.1424, 22.6560

Monochromacy



Original Color

31.6826, 19.4013, 41.6101

Achromatopsia

18.4984, 19.4618, 21.1939

Achromatomaly

21.9944, 18.4342, 27.5982

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.6826, 19.4013, 41.6101 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(191, 77, 173)` looks like.

```
.text, #text, p{  
    color:rgb(191, 77, 173)  
}
```

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(191, 77, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 77, 173) }
```

Border

The CSS property to change the border of an element to XYZ 31.6826, 19.4013, 41.6101 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(191, 77, 173) }
```


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

```
.border{ border-color:rgb(191, 77, 173) }
```

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

Here you see how a box with a 4 pixel `rgb(191, 77, 173)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 77, 173); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 77, 173);  
box-shadow:4px 4px 4px 4px rgb(191, 77,  
173) }
```

Background

The CSS property to change the background color of an element to XYZ 31.6826, 19.4013, 41.6101 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 77, 173) }
```

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

```
.background{ background-color: rgb(191, 77,  
173) }
```

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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