

Converting Colors

XYZ(30.1556, 17.6359, 46.6251)

Have a look what the booklet for
XYZ(30.1556, 17.6359, 46.6251)
contains.

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Color

**XYZ(30.1428, 17.6204,
46.6121)**

Conversions

Conversions Part 1

Format	Color
Hex	B744B7
RGB	183, 68, 183
RGB Percent	72%, 27%, 72%
CMY	0.2823, 0.7333, 0.2824
CMYK	0.00, 0.63, 0.00, 0.28
HSL	300°, 46%, 49%
HSV	300°, 63%, 72%
XYZ	30.1428, 17.6204, 46.6121
YIQ	115.4950, 31.6250, 60.1450

Conversions

Conversions Part 2

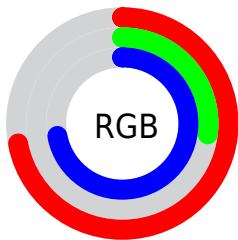
Format	Color
R_{YB}	183, 68, 183
Decimal	12010679
CIE _{Lab}	49.03, 60.66, -38.61
CIE _{LCh}	49, 71.904, 327.524
Yxy	17.6204, 0.3194, 0.1867
Android (android.graphics.Color)	4290200759 (0xFFB744B7)
YUV	115.4950, 33.2800, 59.2019
Hunter-Lab	41.9767, 54.7190, -36.4537

Details

The XYZ color **30.1428, 17.6204, 46.6121** is a dark color, and the websafe version is hex **993399**. A complement of this color would be **20.3616, 35.5140, 11.2515**, and the grayscale version is **16.3420, 17.1931, 18.7232**.

A 20% lighter version of the original color is **59.4056, 39.5245, 86.1593**, and **12.7148, 6.0970, 21.2756** is the 20% darker color. If you saturate the color by 10%, you get **29.2040, 15.7424, 46.2993**, and if you desaturate by 10%, it is **31.4282, 20.1908, 47.0408**.

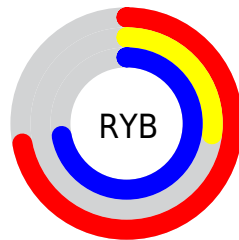
Distribution



Red (72%)

Green (27%)

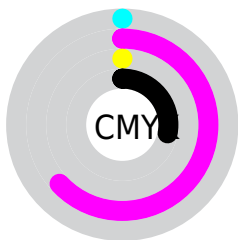
Blue (72%)



Red (72%)

Yellow (27%)

Blue (72%)

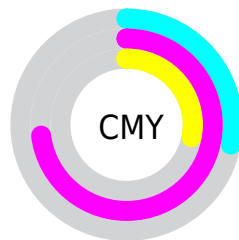


Cyan (0%)

Magenta (63%)

Yellow (0%)

Black (28%)



Cyan (28%)


Magenta (73%)


Yellow (28%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 30.1428, 17.6204, 46.6121 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 30.1428, 17.6204, 46.6121 by changing the saturation by 10% instead.

 30.1428, 17.6204,
46.6121


 30.1428, 17.6204,
46.6121


294.4674,
238.7226, 389.6129

 20.0956, 10.6778,
32.3770


 59.2730, 39.3894,
86.4782

 12.5732, 5.8506,
21.3824


 79.0868, 54.9846,
112.9463

 7.2103, 2.7545,
13.2098


 102.8867, 74.2329,
144.3291

 3.6415, 1.0049,
7.4408

 131.0383, 97.5185,
181.0452

 1.5014, 0.0000,
3.6567

 163.9068,
125.2258, 223.5130

 0.3268, 0.0000,
1.4389

201.8575,

 0.0000, 0.0000,

157.7394, 272.1513

0.1718

245.2560,
195.4435, 327.3784

■ 0.0000, 0.0000,
0.0000

■ 30.1428, 17.6204,
46.6121

■ 30.1428, 17.6204,
46.6121

■ 29.2040, 15.7424,
46.2993

■ 31.4282, 20.1908,
47.0408

■ 28.5766, 14.4876,
46.0900

■ 33.0875, 23.5093,
47.5940

■ 28.2212, 13.7769,
45.9715

■ 35.1473, 27.6288,
48.2806

■ 28.0760, 13.4863,
45.9230

■ 37.6313, 32.5968,
49.1087

■ 40.5614, 38.4569,
50.0855

■ 43.9579, 45.2499,
51.2177

■ 47.8400, 53.0140,
52.5118

■ 52.2256, 61.7853,
53.9737

■ 57.1320, 71.5980,
55.6093

Harmonies

Analogous

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



23.4374, 17.6204, 74.0625



30.1428, 17.6204, 46.6121



33.2054, 17.6204, 20.8247

Triad

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



30.1428, 17.6204, 46.6121



17.3106, 17.6204, 0.8880



7.7211, 17.6204, 41.7970

Complementary

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



30.1428, 17.6204, 46.6121



20.3616, 35.5140, 11.2515

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.



6.8896, 17.6204, 17.6349



30.1428, 17.6204, 46.6121



11.4699, 17.6204, 1.5392

Square

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



30.1428, 17.6204, 46.6121



24.6647, 17.6204, 1.8553



8.0582, 17.6204, 5.4078



10.7369, 17.6204, 70.2076

Rectangle

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



30.1428, 17.6204, 46.6121



32.2889, 17.6204, 10.0796



8.0582, 17.6204, 5.4078



7.2189, 17.6204, 32.5838

Sweetspot

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



30.1435, 17.6212, 46.6125



69.1528, 61.8930, 88.5372



12.9990, 8.7829, 45.8106



14.9578, 13.0385, 19.4499



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

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



30.1435, 17.6212, 46.6125



51.8617, 27.3110, 82.7728



25.3301, 15.6958, 21.2655



9.3810, 9.1628, 11.3536



19.5860, 9.4081, 32.0362



0.6905, 0.3317, 1.1294

Inverse Universe

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



30.1435, 17.6212, 46.6125



51.8617, 27.3110, 82.7728



23.0519, 36.5902, 25.4186



9.3810, 9.1628, 11.3536



19.5860, 9.4081, 32.0362



0.6905, 0.3317, 1.1294

Previews

White Background



This preview shows how the XYZ color 30.1428, 17.6204, 46.6121 looks on a white background.

Color Contrast Check

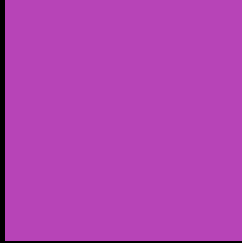
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 30.1428, 17.6204, 46.6121 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

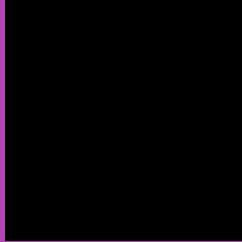
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 30.1428, 17.6204, 46.6121

Background



This preview shows how black text looks on a background with the XYZ color 30.1428, 17.6204, 46.6121.



This preview shows how white text looks on a background with the XYZ color 30.1428, 17.6204,

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

30.1428, 17.6204, 46.6121

Protanopia

20.9639, 18.0034, 73.6042

Deuteranopia

18.2976, 17.8101, 43.0307



Tritanopia

23.4001, 17.6138, 13.9709

Trichromacy



Original Color

30.1428, 17.6204, 46.6121



Protanomaly

21.1631, 15.9119, 62.9286



Deuteranomaly

20.8099, 16.4231, 44.1927



Tritanomaly

25.3311, 17.2995, 23.1231

Monochromacy



Original Color

30.1428, 17.6204, 46.6121



Achromatopsia

16.2955, 17.1441, 18.6699



Achromatomaly

19.9165, 16.2043, 26.8890

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.1428, 17.6204, 46.6121 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(183, 68, 183)` looks like.

```
.text, #text, p{  
    color:rgb(183, 68, 183)  
}
```

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(183, 68, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 68, 183) }
```

Border

The CSS property to change the border of an element to XYZ 30.1428, 17.6204, 46.6121 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(183, 68, 183) }
```


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

```
.border{ border-color:rgb(183, 68, 183) }
```

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

Here you see how a box with a 4 pixel `rgb(183, 68, 183)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(183, 68, 183); -webkit-box-  
shadow:4px 4px 4px 4px rgb(183, 68, 183);  
box-shadow:4px 4px 4px 4px rgb(183, 68,  
183) }
```

Background

The CSS property to change the background color of an element to XYZ 30.1428, 17.6204, 46.6121 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 68, 183) }
```

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

```
.background{ background-color: rgb(183, 68,  
183) }
```

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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