

Converting Colors

XYZ(30.0820, 17.8668, 43.4261)

Have a look what the booklet for
XYZ(30.0820, 17.8668, 43.4261)
contains.

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Color

**XYZ(30.1336, 17.8689,
43.4558)**

Conversions

Conversions Part 1

Format	Color
Hex	B946B1
RGB	185, 70, 177
RGB Percent	73%, 27%, 69%
CMY	0.2745, 0.7255, 0.3059
CMYK	0.00, 0.62, 0.04, 0.27
HSL	304°, 45%, 50%
HSV	304°, 62%, 73%
XYZ	30.1336, 17.8689, 43.4558
YIQ	116.5830, 34.1930, 57.6570

Conversions

Conversions Part 2

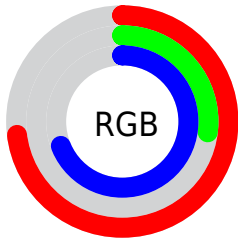
Format	Color
RYB	185, 70, 177
Decimal	12142257
CIELab	49.34, 59.31, -34.60
CIELCh	49, 68.668, 329.742
Yxy	17.8689, 0.3295, 0.1954
Android (android.graphics.Color)	4290332337 (0xFFB946B1)
YUV	116.5830, 29.7856, 60.0017
Hunter-Lab	42.2716, 53.2695, -31.3608

Details

The XYZ color **30.1336, 17.8689, 43.4558** is a dark color, and the websafe version is hex **993399**. A complement of this color would be **21.2507, 36.5509, 13.1438**, and the grayscale version is **16.6841, 17.5530, 19.1152**.

A 20% lighter version of the original color is **59.3498, 39.7835, 81.6417**, and **12.6914, 6.1224, 19.5816** is the 20% darker color. If you saturate the color by 10%, you get **29.0220, 15.8497, 42.4554**, and if you desaturate by 10%, it is **31.6040, 20.6030, 44.5821**.

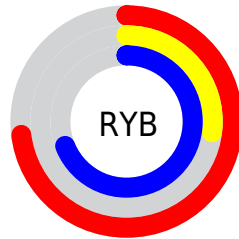
Distribution



Red (73%)

Green (27%)

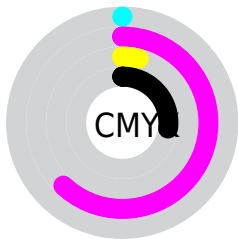
Blue (69%)



Red (73%)

Yellow (27%)

Blue (69%)

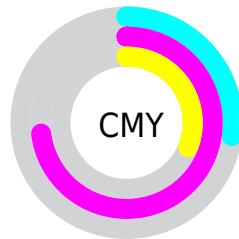


Cyan (0%)

Magenta (62%)

Yellow (4%)

Black (27%)



Cyan (27%)


Magenta (73%)


Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 30.1336, 17.8689, 43.4558 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 30.1336, 17.8689, 43.4558 by changing the saturation by 10% instead.


 30.1336, 17.8689,
43.4558


 30.1336, 17.8689,
43.4558


294.4254,
240.1311, 376.4590


 20.0886, 10.8559,
29.9089


 59.2586, 39.8138,
81.6920


 12.5681, 5.9700,
19.5180


 79.0692, 55.5145,
107.2182


 7.2068, 2.8269,
11.8645


 102.8659, 74.8799,
137.5747

 3.6392, 1.0420,
6.5301

 131.0138, 98.2944,
173.1800

 1.5001, 0.0000,
3.0961

 163.8783,
126.1423, 214.4525

 0.3259, 0.0000,
1.1439

201.8248,

 0.0000, 0.0000,

158.8082, 261.8108

0.0000

245.2187,
196.6763, 315.6735

■ 30.1336, 17.8689,
43.4558

■ 30.1336, 17.8689,
43.4558

■ 29.0220, 15.8497,
42.4554

■ 31.6040, 20.6030,
44.5821

■ 28.2335, 14.4751,
41.5685

■ 33.4611, 24.1089,
45.8431

■ 27.7281, 13.6648,
40.7818

■ 35.7320, 28.4405,
47.2481

■ 27.4668, 13.2980,
40.2142

■ 38.4409, 33.6462,
48.8051

■ 41.6102, 39.7707,
50.5216

■ 45.2607, 46.8556,
52.4045

■ 49.4120, 54.9401,
54.4605

■ 54.0824, 64.0610,
56.6955

■ 59.2896, 74.2533,
59.1156

Harmonies

Analogous

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



23.9227, 17.8689, 69.5850



30.1336, 17.8689, 43.4558



32.6826, 17.8689, 19.6170

Triad

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



30.1336, 17.8689, 43.4558



17.0399, 17.8689, 1.1579



8.3194, 17.8689, 42.9831

Complementary

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



30.1336, 17.8689, 43.4558



21.2507, 36.5509, 13.1438

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.



7.3434, 17.8689, 19.2963



30.1336, 17.8689, 43.4558



11.5361, 17.8689, 2.0293

Square

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



30.1336, 17.8689, 43.4558



24.0447, 17.8689, 2.0651



8.3543, 17.8689, 6.4707



11.4613, 17.8689, 69.2108

Rectangle

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



30.1336, 17.8689, 43.4558



31.5661, 17.8689, 9.7426



8.3543, 17.8689, 6.4707



7.7688, 17.8689, 34.1190

Sweetspot

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



30.1342, 17.8697, 43.4562



70.3778, 63.2134, 88.2543



14.0626, 9.4896, 46.9902



14.8428, 12.9924, 18.8439



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.



30.1342, 17.8697, 43.4562



51.3370, 27.2533, 75.3668



25.5786, 16.0475, 19.4667



9.3532, 9.1517, 11.2075



18.7132, 9.0590, 27.4403



0.6678, 0.3226, 1.0101

Inverse Universe

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



30.1342, 17.8697, 43.4562



51.3370, 27.2533, 75.3668



24.2605, 37.7548, 28.9931



9.3532, 9.1517, 11.2075



18.7132, 9.0590, 27.4403



0.6678, 0.3226, 1.0101

Previews

White Background



This preview shows how the XYZ color 30.1336, 17.8689, 43.4558 looks on a white background.

Color Contrast Check

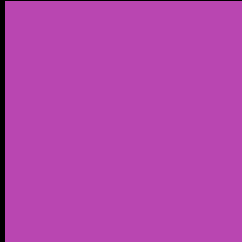
Large Text (above 18pt) WCAG AA ✓ Pass

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 30.1336, 17.8689, 43.4558 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

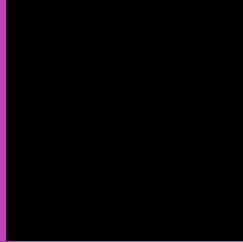
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 30.1336, 17.8689, 43.4558

Background



This preview shows how black text looks on a background with the XYZ color 30.1336, 17.8689, 43.4558.



This preview shows how white text looks on a background with the XYZ color 30.1336, 17.8689,

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

30.1336, 17.8689, 43.4558

Protanopia

20.9019, 18.4295, 68.1012

Deuteranopia

18.5597, 18.1838, 40.0677



Tritanopia

23.9838, 17.7853, 13.9732

Trichromacy



Original Color

30.1336, 17.8689, 43.4558

Protanomaly

21.4292, 16.4392, 57.9207

Deuteranomaly

21.2095, 16.8387, 41.1621

Tritanomaly

25.5915, 17.4567, 22.0993

Monochromacy



Original Color

30.1336, 17.8689, 43.4558

Achromatopsia

16.9083, 17.7888, 19.3720

Achromatomaly

20.3727, 16.7292, 26.5814

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.1336, 17.8689, 43.4558 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(185, 70, 177)` looks like.

```
.text, #text, p{  
    color:rgb(185, 70, 177)  
}
```

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(185, 70, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(185, 70, 177) }
```

Border

The CSS property to change the border of an element to XYZ 30.1336, 17.8689, 43.4558 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(185, 70, 177) }
```


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

```
.border{ border-color:rgb(185, 70, 177) }
```

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

Here you see how a box with a 4 pixel rgb(185, 70, 177) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(185, 70, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(185, 70, 177);  
box-shadow:4px 4px 4px 4px rgb(185, 70,  
177) }
```

Background

The CSS property to change the background color of an element to XYZ 30.1336, 17.8689, 43.4558 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(185, 70, 177) }
```

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

```
.background{ background-color: rgb(185, 70,  
177) }
```

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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