

Converting Colors

XYZ(30.8305, 17.1945, 42.5687)

Have a look what the booklet for
XYZ(30.8305, 17.1945, 42.5687)
contains.

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Color

**XYZ(30.7855, 17.1372,
42.7595)**

Conversions

Conversions Part 1

Format	Color
Hex	BF39B0
RGB	191, 57, 176
RGB Percent	75%, 22%, 69%
CMY	0.2510, 0.7764, 0.3098
CMYK	0.00, 0.70, 0.08, 0.25
HSL	307°, 54%, 49%
HSV	307°, 70%, 75%
XYZ	30.7855, 17.1372, 42.7595
YIQ	110.6320, 41.6650, 65.4170

Conversions

Conversions Part 2

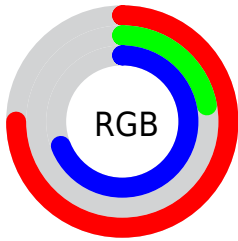
Format	Color
R_{YB}	191, 57, 176
Decimal	12532144
CIE _{Lab}	48.43, 65.65, -35.37
CIE _{LCh}	48, 74.574, 331.686
Yxy	17.1372, 0.3395, 0.1890
Android (android.graphics.Color)	4290722224 (0xFFBF39B0)
YUV	110.6320, 32.2264, 70.4827
Hunter-Lab	41.3971, 60.2990, -32.2633

Details

The XYZ color **30.7855, 17.1372, 42.7595** is a dark color, and the websafe version is hex **993399**. A complement of this color would be **21.4887, 38.6002, 12.4501**, and the grayscale version is **14.9053, 15.6816, 17.0772**.

A 20% lighter version of the original color is **60.1206, 38.4117, 80.5894**, and **13.4067, 6.4984, 19.2866** is the 20% darker color. If you saturate the color by 10%, you get **29.8028, 15.5074, 41.3964**, and if you desaturate by 10%, it is **32.1278, 19.4800, 44.2592**.

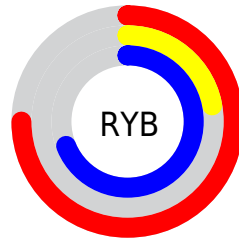
Distribution



Red (75%)

Green (22%)

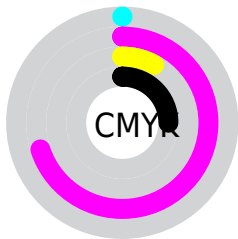
Blue (69%)



Red (75%)

Yellow (22%)

Blue (69%)

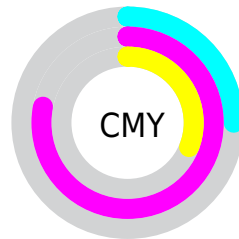


Cyan (0%)

Magenta (70%)

Yellow (8%)

Black (25%)



Cyan (25%)

Magenta (78%)


Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 30.7855, 17.1372, 42.7595 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 30.7855, 17.1372, 42.7595 by changing the saturation by 10% instead.


 30.7855, 17.1372,
42.7595


 30.7855, 17.1372,
42.7595


297.3935,
235.9618, 373.5139

 20.5866, 10.3324,
29.3665


 60.2803, 38.5615,
80.6303


 12.9329, 5.6199,
19.1103


 80.3070, 53.9498,
105.9451


 7.4590, 2.6153,
11.5724


 104.3403, 72.9680,
136.0709

 3.7997, 0.9344,
6.3342

 132.7455, 96.0005,
171.4262

 1.5894, 0.0000,
2.9773

 165.8881,
123.4318, 212.4297

 0.3855, 0.0000,
1.0831

204.1334,

 0.0000, 0.0000,

155.6461, 259.4997

0.0000

247.8467,
193.0280, 313.0550

■ 30.7855, 17.1372,
42.7595

■ 30.7855, 17.1372,
42.7595

■ 29.8028, 15.5074,
41.3964

■ 32.1278, 19.4800,
44.2592

■ 29.1357, 14.5037,
40.1547

■ 33.8635, 22.6048,
45.9064

■ 28.7058, 13.9644,
39.0237

■ 36.0246, 26.5751,
47.7121

■ 38.6394, 31.4472,
49.6856

■ 41.7335, 37.2726,
51.8356

■ 45.3309, 44.0990,
54.1702

■ 49.4537, 51.9708,
56.6968

■ 54.1228, 60.9297,
59.4225

■ 59.3579, 71.0152,
62.3538

Harmonies

Analogous

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



24.1983, 17.1372, 72.3793



30.7855, 17.1372, 42.7595



33.2389, 17.1372, 17.5754

Triad

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



30.7855, 17.1372, 42.7595



15.9053, 17.1372, 0.6266



7.4800, 17.1372, 46.1758

Complementary

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



30.7855, 17.1372, 42.7595



21.4887, 38.6002, 12.4501

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.



6.3782, 17.1372, 19.7873



30.7855, 17.1372, 42.7595



10.3227, 17.1372, 1.4709

Square

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



30.7855, 17.1372, 42.7595



23.3379, 17.1372, 1.2768



7.2525, 17.1372, 5.9089



10.8240, 17.1372, 75.1438

Rectangle

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



30.7855, 17.1372, 42.7595



31.7759, 17.1372, 7.9333



7.2525, 17.1372, 5.9089



6.8851, 17.1372, 36.2747

Sweetspot

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



30.7861, 17.1380, 42.7598



74.0449, 65.4334, 92.3659



13.4227, 8.0058, 50.1287



15.9064, 13.7022, 20.0416



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.



30.7861, 17.1380, 42.7598



52.6926, 26.7137, 72.9637



25.7971, 15.1424, 16.4881



9.8827, 9.6774, 11.7713



18.8835, 9.1845, 25.7436



0.7530, 0.3651, 1.0783

Inverse Universe

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



30.7861, 17.1380, 42.7598



52.6926, 26.7137, 72.9637



24.8631, 39.9499, 30.2196



9.8827, 9.6774, 11.7713



18.8835, 9.1845, 25.7436



0.7530, 0.3651, 1.0783

Previews

White Background



This preview shows how the XYZ color 30.7855, 17.1372, 42.7595 looks on a white background.

Color Contrast Check

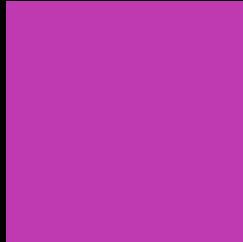
Large Text (above 18pt) WCAG AA ✓ Pass

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 30.7855, 17.1372, 42.7595 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

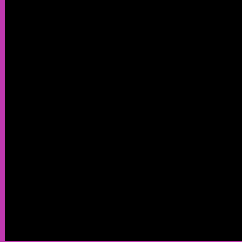
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 30.7855, 17.1372, 42.7595

Background



This preview shows how black text looks on a background with the XYZ color 30.7855, 17.1372, 42.7595.



This preview shows how white text looks on a background with the XYZ color 30.7855, 17.1372,

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

30.7855, 17.1372, 42.7595

Protanopia

20.6037, 17.6530, 73.5556

Deuteranopia

17.8251, 17.4844, 38.9946



Tritanopia

24.3072, 17.0239, 11.6777

Trichromacy



Original Color

30.7855, 17.1372, 42.7595



Protanomaly

20.3452, 14.8686, 60.8291



Deuteranomaly

20.4643, 15.6535, 39.9731



Tritanomaly

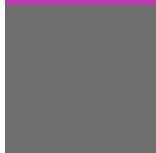
25.9076, 16.5923, 19.9263

Monochromacy



Original Color

30.7855, 17.1372, 42.7595



Achromatopsia

15.1092, 15.8961, 17.3108



Achromatomaly

18.9295, 14.8069, 24.7820

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.7855, 17.1372, 42.7595 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, 57, 176)` looks like.

```
.text, #text, p{  
    color:rgb(191, 57, 176)  
}
```

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, 57, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 57, 176) }
```

Border

The CSS property to change the border of an element to XYZ 30.7855, 17.1372, 42.7595 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, 57, 176) }
```


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

```
.border{ border-color:rgb(191, 57, 176) }
```

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

Here you see how a box with a 4 pixel `rgb(191, 57, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 57, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 57, 176);  
box-shadow:4px 4px 4px 4px rgb(191, 57,  
176) }
```

Background

The CSS property to change the background color of an element to XYZ 30.7855, 17.1372, 42.7595 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 57, 176) }
```

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

```
.background{ background-color: rgb(191, 57,  
176) }
```

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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