

Converting Colors

XYZ(32.9464, 18.3505, 52.7574)

Have a look what the booklet for
XYZ(32.9464, 18.3505, 52.7574)
contains.

XYZ(32.8922, 18.3089, 52.8393)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(32.8922, 18.3089,
52.8393)**

Conversions

Conversions Part 1

Format	Color
Hex	BF3DC2
RGB	191, 61, 194
RGB Percent	75%, 24%, 76%
CMY	0.2510, 0.7608, 0.2392
CMYK	0.02, 0.69, 0.00, 0.24
HSL	299°, 52%, 50%
HSV	299°, 69%, 76%
XYZ	32.8922, 18.3089, 52.8393
YIQ	115.0320, 34.7870, 68.9230

Conversions

Conversions Part 2

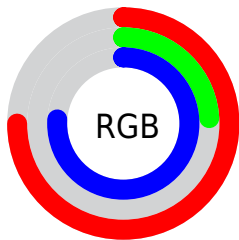
Format	Color
RYB	191, 61, 194
Decimal	12533186
CIELab	49.87, 67.12, -43.60
CIELCh	50, 80.040, 326.993
Yxy	18.3089, 0.3161, 0.1760
Android (android.graphics.Color)	4290723266 (0xFFBF3DC2)
YUV	115.0320, 38.9312, 66.6239
Hunter-Lab	42.7889, 62.3339, -43.2640

Details

The XYZ color **32.8922, 18.3089, 52.8393** is a dark color, and the websafe version is hex **CC33CC**. The color can be described as middle muted purple. A complement of this color would be **22.2490, 40.0109, 10.9660**, and the grayscale version is **16.1848, 17.0276, 18.5431**.

A 20% lighter version of the original color is **63.4338, 40.4827, 95.7374**, and **14.5651, 6.9618, 25.3870** is the 20% darker color. If you saturate the color by 10%, you get **31.9280, 16.5431, 52.5495**, and if you desaturate by 10%, it is **34.2325, 20.8254, 53.2546**.

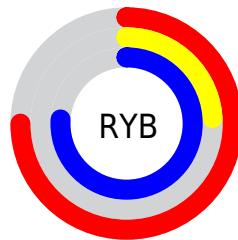
Distribution



Red (75%)

Green (24%)

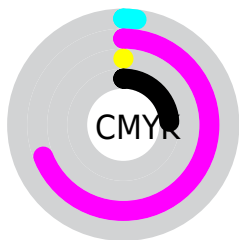
Blue (76%)



Red (75%)

Yellow (24%)

Blue (76%)

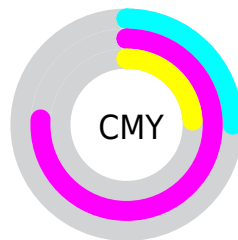


Cyan (2%)

Magenta (69%)

Yellow (0%)

Black (24%)



Cyan (25%)


Magenta (76%)


Yellow (24%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 32.8922, 18.3089, 52.8393 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 32.8922, 18.3089, 52.8393 by changing the saturation by 10% instead.

 32.8922, 18.3089,
52.8393


 32.8922, 18.3089,
52.8393


306.8373,
242.6064, 414.7171

 22.2027, 11.1720,
37.2877


 63.5630, 40.5630,
95.8070


 14.1234, 6.1826,
25.1328


 84.2750, 56.4489,
124.0601


 8.2888, 2.9565,
15.9561


 109.0586, 76.0200,
157.3842

 4.3336, 1.1090,
9.3391

 138.2791, 99.6607,
196.1977

 1.8926, 0.0000,
4.8632

 172.3018,
127.7552, 240.9192

 0.5725, 0.0000,
2.1099

211.4922,

 0.0000, 0.0000,

160.6881, 291.9672

0.6216

256.2156,
198.8437, 349.7603

■ 0.0000, 0.0000,
0.0000

■ 32.8922, 18.3089,
52.8393

■ 32.8922, 18.3089,
52.8393

■ 31.9280, 16.5431,
52.5495

■ 34.2325, 20.8254,
53.2546

■ 31.2953, 15.4402,
52.3700

■ 35.9832, 24.1626,
53.8065

■ 30.9257, 14.8631,
52.2781

■ 38.1768, 28.3853,
54.5060

■ 30.8794, 14.7941,
52.2672

■ 40.8423, 33.5513,
55.3626

■ 44.0061, 39.7132,
56.3852

■ 47.6925, 46.9200,
57.5820

■ 51.9245, 55.2174,
58.9605

■ 56.7234, 64.6484,
60.5279

■ 62.1098, 75.2535,
62.2910

Harmonies

Analogous

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



24.9734, 18.3089, 86.0179



32.8922, 18.3089, 52.8393



36.6254, 18.3089, 22.2289

Triad

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



32.8922, 18.3089, 52.8393



18.1855, 18.3089, 0.4230



7.3063, 18.3089, 45.8392

Complementary

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



32.8922, 18.3089, 52.8393



22.2490, 40.0109, 10.9660

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.



6.4541, 18.3089, 17.8051



32.8922, 18.3089, 52.8393



11.5402, 18.3089, 1.0262

Square

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



32.8922, 18.3089, 52.8393



26.7135, 18.3089, 1.3636



7.7477, 18.3089, 4.6615



10.5530, 18.3089, 80.2902

Rectangle

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



32.8922, 18.3089, 52.8393



35.6128, 18.3089, 9.9797



7.7477, 18.3089, 4.6615



6.7807, 18.3089, 34.9657

Sweetspot

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



32.8929, 18.3097, 52.8397



78.0413, 68.6609, 101.6094



13.5781, 8.7186, 52.0064



16.7320, 14.3381, 22.1356



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



32.8929, 18.3097, 52.8397



57.2315, 28.8840, 95.0285



28.0778, 16.4717, 23.5065



10.4741, 10.2356, 12.7084



20.3121, 9.7317, 34.3645



0.8849, 0.4242, 1.4851

Inverse Universe

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



24.8429, 15.1778, 6.4715



41.8414, 22.9214, 5.2490



24.7963, 41.0079, 25.3703



10.0822, 10.0815, 10.5234



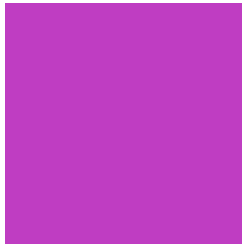
14.6473, 7.5487, 0.7891



0.6361, 0.3275, 0.0511

Previews

White Background



This preview shows how the XYZ color 32.8922, 18.3089, 52.8393 looks on a white background.

Color Contrast Check

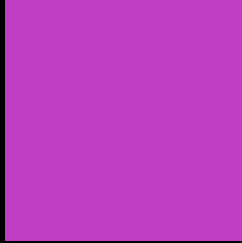
Large Text (above 18pt) WCAG AA ✓ Pass

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 32.8922, 18.3089, 52.8393 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

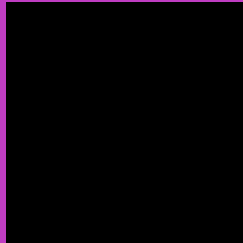
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 32.8922, 18.3089, 52.8393

Background



This preview shows how black text looks on a background with the XYZ color 32.8922, 18.3089, 52.8393.



This preview shows how white text looks on a background with the XYZ color 32.8922, 18.3089,

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

32.8922, 18.3089, 52.8393

Protanopia

22.6122, 18.8540, 88.8336

Deuteranopia

19.1001, 18.6277, 48.4878



Tritanopia

24.9017, 18.2584, 14.0161

Trichromacy



Original Color

32.8922, 18.3089, 52.8393



Protanomaly

20.2739, 14.9406, 73.7668



Deuteranomaly

21.7570, 16.6513, 49.6443



Tritanomaly

27.0127, 17.7964, 24.5656

Monochromacy



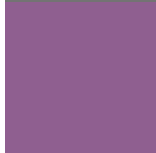
Original Color

32.8922, 18.3089, 52.8393



Achromatopsia

16.2955, 17.1441, 18.6699



Achromatomaly

20.4539, 16.0377, 28.4031

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.8922, 18.3089, 52.8393 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, 61, 194)` looks like.

```
.text, #text, p{  
    color:rgb(191, 61, 194)  
}
```

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, 61, 194) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 61, 194) }
```

Border

The CSS property to change the border of an element to XYZ 32.8922, 18.3089, 52.8393 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, 61, 194) }
```


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

```
.border{ border-color:rgb(191, 61, 194) }
```

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

Here you see how a box with a 4 pixel `rgb(191, 61, 194)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 61, 194); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 61, 194);  
box-shadow:4px 4px 4px 4px rgb(191, 61,  
194) }
```

Background

The CSS property to change the background color of an element to XYZ 32.8922, 18.3089, 52.8393 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 61, 194) }
```

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

```
.background{ background-color: rgb(191, 61,  
194) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor