

Converting Colors

XYZ(28.2224, 15.8167, 32.5110)

Have a look what the booklet for
XYZ(28.2224, 15.8167, 32.5110)
contains.

XYZ(28.2218, 15.8237, 32.5772)	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(28.2218, 15.8237,
32.5772)**

Conversions

Conversions Part 1

Format	Color
Hex	BD369B
RGB	189, 54, 155
RGB Percent	74%, 21%, 61%
CMY	0.2588, 0.7882, 0.3922
CMYK	0.00, 0.71, 0.18, 0.26
HSL	315°, 56%, 48%
HSV	315°, 71%, 74%
XYZ	28.2218, 15.8237, 32.5772
YIQ	105.8790, 48.0390, 60.0310

Conversions

Conversions Part 2

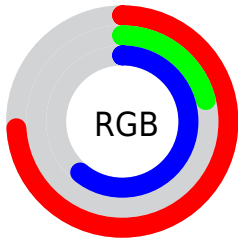
Format	Color
R _Y B	189, 54, 155
Decimal	12400283
CIE _{Lab}	46.74, 63.13, -25.59
CIE _{LCh}	47, 68.117, 337.934
Yxy	15.8237, 0.3683, 0.2065
Android (android.graphics.Color)	4290590363 (0xFFBD369B)
YUV	105.8790, 24.2167, 72.8971
Hunter-Lab	39.7790, 57.0261, -20.7105

Details

The XYZ color **28.2218, 15.8237, 32.5772** is a dark color, and the websafe version is hex **CC3399**. A complement of this color would be **21.4812, 37.8846, 15.4145**, and the grayscale version is **13.5941, 14.3021, 15.5749**.

A 20% lighter version of the original color is **56.1384, 36.1979, 65.0008**, and **11.9639, 5.8848, 13.3373** is the 20% darker color. If you saturate the color by 10%, you get **27.1150, 14.2370, 30.2746**, and if you desaturate by 10%, it is **29.6871, 18.1015, 35.0773**.

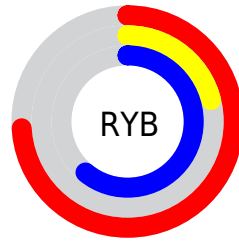
Distribution



Red (74%)

Green (21%)

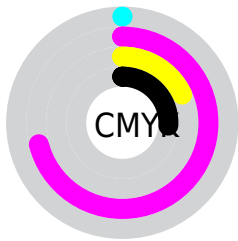
Blue (61%)



Red (74%)

Yellow (21%)

Blue (61%)

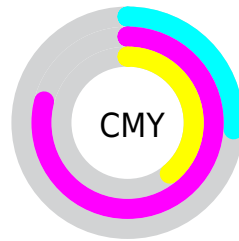


Cyan (0%)

Magenta (71%)

Yellow (18%)

Black (26%)



Cyan (26%)

Magenta (79%)

Yellow (39%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.2218, 15.8237, 32.5772 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 28.2218, 15.8237, 32.5772 by changing the saturation by 10% instead.

■ 28.2218, 15.8237,
32.5772

■ 28.2218, 15.8237,
32.5772

285.5861,
228.2992, 328.3136

■ 18.6342, 9.3995,
21.5343

■ 56.2445, 36.2919,
64.8233

■ 11.5087, 5.0027,
13.3201

■ 75.4104, 51.1046,
86.8635

■ 6.4799, 2.2488,
7.5160

■ 98.4998, 69.4823,
113.4066

■ 3.1824, 0.7464,
3.7035

■ 125.8779, 91.8094,
144.8710

■ 1.2510, 0.0000,
1.4642

■ 157.9103,
118.4702, 181.6754

■ 0.1460, 0.0000,
0.1910

194.9622,

■ 0.0000, 0.0000,

149.8492, 224.2383

0.0000

237.3991,
186.3307, 272.9782

■ 28.2218, 15.8237,
32.5772

■ 28.2218, 15.8237,
32.5772

■ 27.1150, 14.2370,
30.2746

■ 29.6871, 18.1015,
35.0773

■ 26.3227, 13.2548,
28.1536

■ 31.5449, 21.1391,
37.7868

■ 25.8237, 12.7538,
26.4554

■ 33.8268, 24.9992,
40.7172

■ 36.5610, 29.7376,
43.8786

■ 39.7728, 35.4050,
47.2804

■ 43.4858, 42.0484,
50.9313

■ 47.7221, 49.7114,
54.8393

■ 52.5023, 58.4351,
59.0123

■ 57.8460, 68.2583,
63.4574

Harmonies

Analogous

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



23.1639, 15.8237, 57.7600



28.2218, 15.8237, 32.5772



29.3371, 15.8237, 13.1160

Triad

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



28.2218, 15.8237, 32.5772



13.5252, 15.8237, 0.9176



7.7392, 15.8237, 45.9824

Complementary

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



28.2218, 15.8237, 32.5772



21.4812, 37.8846, 15.4145

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.



6.3586, 15.8237, 22.1235



28.2218, 15.8237, 32.5772



9.0795, 15.8237, 2.1973

Square

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



28.2218, 15.8237, 32.5772



19.7261, 15.8237, 1.2443



6.7750, 15.8237, 7.6664



11.1618, 15.8237, 68.4185

Rectangle

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



28.2218, 15.8237, 32.5772



27.4805, 15.8237, 6.0378



6.7750, 15.8237, 7.6664



7.0680, 15.8237, 37.4157

Sweetspot

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



28.2223, 15.8245, 32.5775



71.2877, 63.5078, 84.7348



14.5063, 8.3760, 48.9965



14.9695, 13.0173, 17.8508



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

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



28.2223, 15.8245, 32.5775



47.6558, 24.3320, 51.9236



24.0572, 14.1585, 10.6445



9.8245, 9.6541, 11.4648



17.4069, 8.5939, 17.9683



0.7067, 0.3466, 0.8346

Inverse Universe

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



28.2223, 15.8245, 32.5775



47.6558, 24.3320, 51.9236



25.6570, 39.5549, 37.4041



9.8245, 9.6541, 11.4648



17.4069, 8.5939, 17.9683



0.7067, 0.3466, 0.8346

Previews

White Background



This preview shows how the XYZ color 28.2218, 15.8237, 32.5772 looks on a white background.

Color Contrast Check

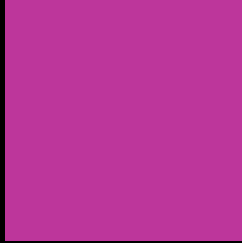
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.2218, 15.8237, 32.5772 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 28.2218, 15.8237, 32.5772

Background



This preview shows how black text looks on a background with the XYZ color 28.2218, 15.8237, 32.5772.



This preview shows how white text looks on a background with the XYZ color 28.2218, 15.8237,

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

28.2218, 15.8237, 32.5772

Protanopia

18.2779, 16.3364, 56.8335

Deuteranopia

16.4359, 16.1420, 29.8532



Tritanopia

23.4683, 15.8620, 9.8074

Trichromacy



Original Color

28.2218, 15.8237, 32.5772



Protanomaly

18.9062, 14.0502, 47.0629



Deuteranomaly

18.9927, 14.5827, 30.6679



Tritanomaly

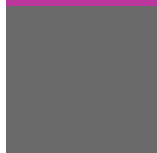
24.8960, 15.6747, 16.1813

Monochromacy



Original Color

28.2218, 15.8237, 32.5772



Achromatopsia

13.6994, 14.4128, 15.6956



Achromatomaly

17.1996, 13.5059, 20.7692

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.2218, 15.8237, 32.5772 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(189, 54, 155)` looks like.

```
.text, #text, p{  
    color:rgb(189, 54, 155)  
}
```

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(189, 54, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 54, 155) }
```

Border

The CSS property to change the border of an element to XYZ 28.2218, 15.8237, 32.5772 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(189, 54, 155) }
```


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

```
.border{ border-color:rgb(189, 54, 155) }
```

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

Here you see how a box with a 4 pixel rgb(189, 54, 155) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 54, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 54, 155);  
box-shadow:4px 4px 4px 4px rgb(189, 54,  
155) }
```

Background

The CSS property to change the background color of an element to XYZ 28.2218, 15.8237, 32.5772 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 54, 155) }
```

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

```
.background{ background-color: rgb(189, 54,  
155) }
```

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