

Converting Colors

XYZ(28.2020, 15.7215, 33.1246)

Have a look what the booklet for
XYZ(28.2020, 15.7215, 33.1246)
contains.

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Color

**XYZ(28.2601, 15.7653,
33.0060)**

Conversions

Conversions Part 1

Format	Color
Hex	BD359C
RGB	189, 53, 156
RGB Percent	74%, 21%, 61%
CMY	0.2588, 0.7921, 0.3882
CMYK	0.00, 0.72, 0.17, 0.26
HSL	315°, 56%, 47%
HSV	315°, 72%, 74%
XYZ	28.2601, 15.7653, 33.0060
YIQ	105.4060, 47.9930, 60.8650

Conversions

Conversions Part 2

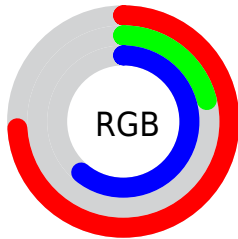
Format	Color
R_{YB}	189, 53, 156
Decimal	12400028
CIE _{Lab}	46.67, 63.61, -26.31
CIE _{LCh}	47, 68.837, 337.532
Yxy	15.7653, 0.3669, 0.2047
Android (android.graphics.Color)	4290590108 (0xFFBD359C)
YUV	105.4060, 24.9428, 73.3119
Hunter-Lab	39.7055, 57.5612, -21.4921

Details

The XYZ color **28.2601, 15.7653, 33.0060** is a dark color, and the websafe version is hex **CC3399**. A complement of this color would be **21.3463, 37.8245, 14.9815**, and the grayscale version is **13.4636, 14.1647, 15.4254**.

A 20% lighter version of the original color is **56.2634, 36.2479, 65.6592**, and **12.0144, 5.9050, 13.6033** is the 20% darker color. If you saturate the color by 10%, you get **27.1811, 14.2169, 30.7663**, and if you desaturate by 10%, it is **29.6944, 18.0003, 35.4367**.

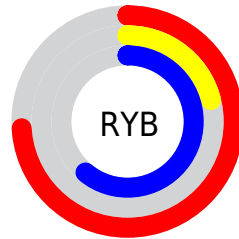
Distribution



Red (74%)

Green (21%)

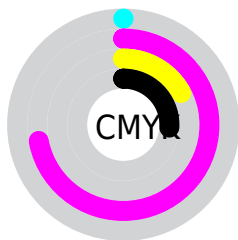
Blue (61%)



Red (74%)

Yellow (21%)

Blue (61%)

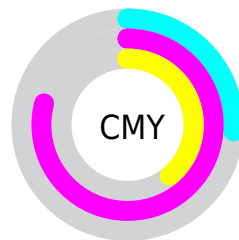


Cyan (0%)

Magenta (72%)

Yellow (17%)

Black (26%)



Cyan (26%)


Magenta (79%)


Yellow (39%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 28.2601, 15.7653, 33.0060 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 28.2601, 15.7653, 33.0060 by changing the saturation by 10% instead.

 28.2601, 15.7653,
33.0060

 28.2601, 15.7653,
33.0060

285.7653,
227.9528, 330.3096


 18.6633, 9.3582,
21.8599


 56.3052, 36.1903,
65.5010


 11.5298, 4.9756,
13.5567


 75.4841, 50.9770,
87.6870


 6.4943, 2.2329,
7.6778


 98.5879, 69.3256,
114.3900

 3.1914, 0.7379,
3.8046

 125.9817, 91.6207,
146.0286

 1.2558, 0.0000,
1.5188

 158.0310,
118.2466, 183.0213

 0.1497, 0.0000,
0.2319

195.1011,

 0.0000, 0.0000,

149.5876, 225.7867

0.0000

237.5574,
186.0282, 274.7433

■ 28.2601, 15.7653,
33.0060

■ 28.2601, 15.7653,
33.0060

■ 27.1811, 14.2169,
30.7663

■ 29.6944, 18.0003,
35.4367

■ 26.4131, 13.2676,
28.7017

■ 31.5184, 20.9911,
38.0704

■ 25.9548, 12.8062,
27.1451

■ 33.7638, 24.8009,
40.9184

■ 36.4588, 29.4857,
43.9910

■ 39.6291, 35.0965,
47.2973

■ 43.2982, 41.6804,
50.8461

■ 47.4882, 49.2811,
54.6453

■ 52.2199, 57.9400,
58.7027

■ 57.5128, 67.6959,
63.0253

Harmonies

Analogous

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



23.1033, 15.7653, 58.5450



28.2601, 15.7653, 33.0060



29.4531, 15.7653, 13.2144

Triad

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



28.2601, 15.7653, 33.0060



13.5324, 15.7653, 0.8539



7.6118, 15.7653, 45.9154

Complementary

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



28.2601, 15.7653, 33.0060



21.3463, 37.8245, 14.9815

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.



6.2547, 15.7653, 21.8353



28.2601, 15.7653, 33.0060



9.0327, 15.7653, 2.0788

Square

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



28.2601, 15.7653, 33.0060



19.8031, 15.7653, 1.1938



6.6952, 15.7653, 7.4319



11.0187, 15.7653, 68.8396

Rectangle

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



28.2601, 15.7653, 33.0060



27.6122, 15.7653, 6.0277



6.6952, 15.7653, 7.4319



6.9483, 15.7653, 37.2367

Sweetspot

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



28.2606, 15.7661, 33.0063



70.7324, 62.4246, 84.4651



14.1815, 8.1401, 48.9682



14.8637, 12.8071, 17.8112



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.



28.2606, 15.7661, 33.0063



47.8717, 24.4184, 53.0602



24.0745, 14.0916, 10.9624



9.8283, 9.6556, 11.4848



17.4943, 8.6289, 18.4287



0.7095, 0.3477, 0.8495

Inverse Universe

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



28.2606, 15.7661, 33.0063



47.8717, 24.4184, 53.0602



25.3943, 39.4437, 36.2977



9.8283, 9.6556, 11.4848



17.4943, 8.6289, 18.4287



0.7095, 0.3477, 0.8495

Previews

White Background



This preview shows how the XYZ color 28.2601, 15.7653, 33.0060 looks on a white background.

Color Contrast Check

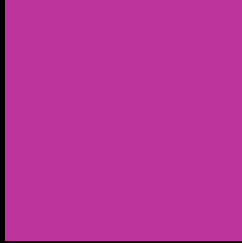
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.2601, 15.7653, 33.0060 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

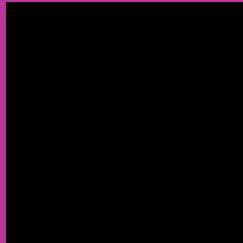
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 28.2601, 15.7653, 33.0060

Background



This preview shows how black text looks on a background with the XYZ color 28.2601, 15.7653, 33.0060.



This preview shows how white text looks on a background with the XYZ color 28.2601, 15.7653,

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

28.2601, 15.7653, 33.0060

Protanopia

18.1519, 16.1004, 57.4093

Deuteranopia

16.4007, 16.1148, 30.2630



Tritanopia

23.3610, 15.7080, 9.5853

Trichromacy



Original Color

28.2601, 15.7653, 33.0060



Protanomaly

18.8022, 13.8617, 47.5835



Deuteranomaly

18.9898, 14.4475, 31.0659



Tritanomaly

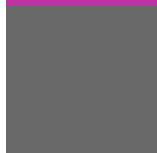
24.7815, 15.5312, 15.8791

Monochromacy



Original Color

28.2601, 15.7653, 33.0060



Achromatopsia

13.4271, 14.1263, 15.3836



Achromatomaly

17.1192, 13.3451, 20.7424

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.2601, 15.7653, 33.0060 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, 53, 156)` looks like.

```
.text, #text, p{  
  color:rgb(189, 53, 156)  
}
```

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, 53, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 53, 156) }
```

Border

The CSS property to change the border of an element to XYZ 28.2601, 15.7653, 33.0060 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, 53, 156) }
```


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

```
.border{ border-color:rgb(189, 53, 156) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 53, 156)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 53, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 53, 156);  
box-shadow:4px 4px 4px 4px rgb(189, 53,  
156) }
```

Background

The CSS property to change the background color of an element to XYZ 28.2601, 15.7653, 33.0060 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 53, 156) }
```

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

```
.background{ background-color: rgb(189, 53,  
156) }
```

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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