

Converting Colors

XYZ(28.2393, 13.8242, 52.9276)

Have a look what the booklet for
XYZ(28.2393, 13.8242, 52.9276)
contains.

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Color

**XYZ(28.2500, 13.8236,
52.8090)**

Conversions

Conversions Part 1

Format	Color
Hex	B115C3
RGB	177, 21, 195
RGB Percent	69%, 8%, 76%
CMY	0.3059, 0.9176, 0.2353
CMYK	0.09, 0.89, 0.00, 0.24
HSL	294°, 81%, 42%
HSV	294°, 89%, 76%
XYZ	28.2500, 13.8236, 52.8090
YIQ	87.4800, 37.1220, 87.1860

Conversions

Conversions Part 2

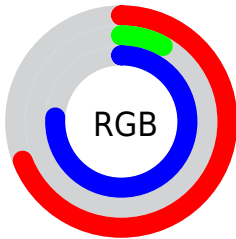
Format	Color
R_{YB}	177, 21, 195
Decimal	11605443
CIE _{Lab}	43.98, 75.15, -53.73
CIE _{LCh}	44, 92.380, 324.439
Yxy	13.8236, 0.2977, 0.1457
Android (android.graphics.Color)	4289795523 (0xFFB115C3)
YUV	87.4800, 53.0074, 78.5090
Hunter-Lab	37.1801, 70.5618, -58.1869

Details

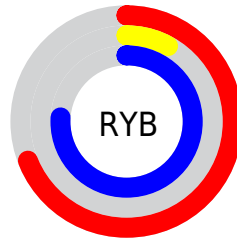
The XYZ color **28.2500, 13.8236, 52.8090** is a dark color, and the websafe version is hex **CC00CC**. The color can be described as middle washed purple. A complement of this color would be **20.4877, 39.5160, 7.2575**, and the grayscale version is **9.0476, 9.5187, 10.3659**.

A 20% lighter version of the original color is **56.0771, 32.6898, 95.4496**, and **12.3414, 5.8154, 25.2830** is the 20% darker color. If you saturate the color by 10%, you get **27.5425, 13.0851, 52.7040**, and if you desaturate by 10%, it is **29.2213, 15.0784, 53.0002**.

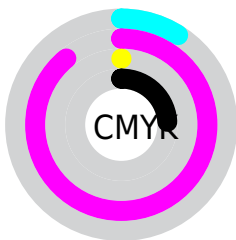
Distribution



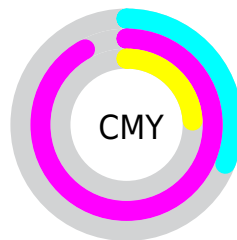
- Red (69%)
- Green (8%)
- Blue (76%)



- Red (69%)
- Yellow (8%)
- Blue (76%)



- Cyan (9%)
- Magenta (89%)
- Yellow (0%)
- Black (24%)





- Cyan (31%)
- Magenta (92%)
- Yellow (24%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 28.2500, 13.8236, 52.8090 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 28.2500, 13.8236, 52.8090 by changing the saturation by 10% instead.

 28.2500, 13.8236,
52.8090

 28.2500, 13.8236,
52.8090


285.7180,
216.1307, 414.5974


 18.6556, 7.9981,
37.2636


 56.2892, 32.7757,
95.7620


 11.5242, 4.0937,
25.1143


 75.4647, 46.6711,
124.0066


 6.4905, 1.7261,
15.9424

 98.5646, 64.0252,
157.3215

 3.1890, 0.4405,
9.3295

 125.9543, 85.2224,
196.1250

 1.2545, 0.0000,
4.8570

 157.9992,
110.6472, 240.8359

 0.1488, 0.0000,
2.1063

 195.0645,

 0.0000, 0.0000,

140.6839, 291.8725

0.6195

237.5157,
175.7169, 349.6535

■ 0.0000, 0.0000,
0.0000

■ 28.2500, 13.8236,
52.8090

■ 28.2500, 13.8236,
52.8090

■ 27.5425, 13.0851,
52.7040

■ 29.2213, 15.0784,
53.0002

■ 27.4911, 13.0343,
52.6968

■ 30.5313, 17.0011,
53.3023

■ 32.2245, 19.6799,
53.7301

■ 34.3379, 23.1890,
54.2960

■ 36.9041, 27.5936,
55.0110

■ 39.9527, 32.9525,
55.8847

■ 43.5106, 39.3196,
56.9261

■ 47.6025, 46.7446,
58.1436

■ 52.2519, 55.2739,
59.5449

Harmonies

Analogous

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



19.8699, 13.8236, 89.7377



28.2500, 13.8236, 52.8090



32.7339, 13.8236, 19.3088

Triad

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



28.2500, 13.8236, 52.8090



14.5517, 13.8236, 0.0000



4.0352, 13.8236, 38.6675

Complementary

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



28.2500, 13.8236, 52.8090



20.4877, 39.5160, 7.2575

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.



3.5151, 13.8236, 11.4711



28.2500, 13.8236, 52.8090



8.1308, 13.8236, 0.0000

Square

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



28.2500, 13.8236, 52.8090



23.1503, 13.8236, 0.0472



4.6890, 13.8236, 1.6695



6.5320, 13.8236, 77.4886

Rectangle

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



28.2500, 13.8236, 52.8090



32.0430, 13.8236, 7.0676



4.6890, 13.8236, 1.6695



3.6746, 13.8236, 27.5162

Sweetspot

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



28.2506, 13.8242, 52.8093



72.6381, 60.9421, 100.4044



10.9635, 5.7071, 52.1537



15.4558, 12.5449, 21.8567



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.



28.2506, 13.8242, 52.8093



49.1114, 23.2798, 94.3748



26.6905, 13.7054, 21.7659



10.3913, 10.1929, 12.7046



17.9093, 8.4930, 34.2520



0.8039, 0.3825, 1.4813

Inverse Universe

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



23.1405, 12.2854, 3.0719



40.4958, 20.8547, 2.8750



21.5740, 39.8896, 15.7314



10.1146, 10.0944, 10.6940



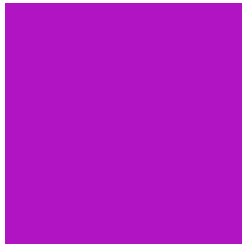
14.7257, 7.5800, 1.2018



0.6508, 0.3333, 0.1285

Previews

White Background



This preview shows how the XYZ color 28.2500, 13.8236, 52.8090 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



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

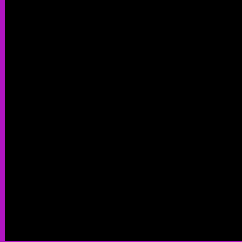
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 28.2500, 13.8236, 52.8090

Background



This preview shows how black text looks on a background with the XYZ color 28.2500, 13.8236, 52.8090.



This preview shows how white text looks on a background with the XYZ color 28.2500, 13.8236,

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

28.2500, 13.8236, 52.8090

Protanopia

16.8890, 14.3578, 65.4995

Deuteranopia

14.6808, 14.2199, 47.3183



Tritanopia

19.4289, 13.8754, 10.0417

Trichromacy



Original Color

28.2500, 13.8236, 52.8090



Protanomaly

15.7594, 10.3601, 60.2006



Deuteranomaly

15.8096, 10.8367, 48.8354



Tritanomaly

21.2497, 12.7063, 20.4014

Monochromacy



Original Color

28.2500, 13.8236, 52.8090



Achromatopsia

9.0590, 9.5307, 10.3790



Achromatomaly

13.2891, 9.0544, 20.7859

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.2500, 13.8236, 52.8090 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(177, 21, 195)` looks like.

```
.text, #text, p{  
    color:rgb(177, 21, 195)  
}
```

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(177, 21, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 21, 195) }
```

Border

The CSS property to change the border of an element to XYZ 28.2500, 13.8236, 52.8090 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(177, 21, 195) }
```


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

```
.border{ border-color:rgb(177, 21, 195) }
```

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

Here you see how a box with a 4 pixel rgb(177, 21, 195) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 21, 195); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 21, 195);  
box-shadow:4px 4px 4px 4px rgb(177, 21,  
195) }
```

Background

The CSS property to change the background color of an element to XYZ 28.2500, 13.8236, 52.8090 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 21, 195) }
```

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

```
.background{ background-color: rgb(177, 21,  
195) }
```

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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