

Converting Colors

XYZ(28.5568, 13.9162, 53.4055)

Have a look what the booklet for
XYZ(28.5568, 13.9162, 53.4055)
contains.

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Color

**XYZ(28.5568, 13.9162,
53.4055)**

Conversions

Conversions Part 1

Format	Color
Hex	B213C4
RGB	178, 19, 196
RGB Percent	70%, 7%, 77%
CMY	0.3020, 0.9255, 0.2314
CMYK	0.09, 0.90, 0.00, 0.23
HSL	294°, 82%, 42%
HSV	294°, 90%, 77%
XYZ	28.5568, 13.9162, 53.4055
YIQ	86.7190, 37.9470, 88.7550

Conversions

Conversions Part 2

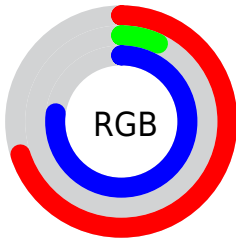
Format	Color
R_{YB}	178, 19, 196
Decimal	11670468
CIE _{Lab}	44.11, 75.78, -54.08
CIE _{LCh}	44, 93.099, 324.484
Yxy	13.9162, 0.2978, 0.1451
Android (android.graphics.Color)	4289860548 (0xFFB213C4)
YUV	86.7190, 53.8755, 80.0534
Hunter-Lab	37.3044, 71.3603, -58.7672

Details

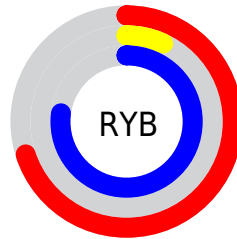
The XYZ color **28.5568, 13.9162, 53.4055** is a dark color, and the websafe version is hex **CC00CC**. The color can be described as middle washed purple. A complement of this color would be **20.6208, 39.9205, 7.2351**, and the grayscale version is **8.8827, 9.3453, 10.1770**.

A 20% lighter version of the original color is **56.8167, 32.9233, 96.2888**, and **12.5534, 5.9162, 25.6796** is the 20% darker color. If you saturate the color by 10%, you get **27.8839, 13.2237, 53.3075**, and if you desaturate by 10%, it is **29.4978, 15.1138, 53.5873**.

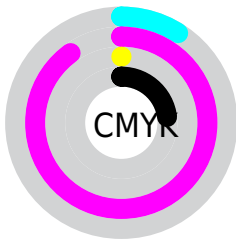
Distribution



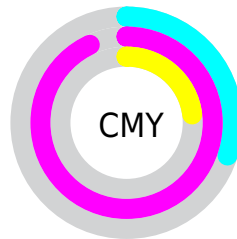
- Red (70%)
- Green (7%)
- Blue (77%)



- Red (70%)
- Yellow (7%)
- Blue (77%)



- Cyan (9%)
- Magenta (90%)
- Yellow (0%)
- Black (23%)




- Cyan (30%)
- Magenta (93%)
- Yellow (23%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 28.5568, 13.9162, 53.4055 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 28.5568, 13.9162, 53.4055 by changing the saturation by 10% instead.


 28.5568, 13.9162,
53.4055


 28.5568, 13.9162,
53.4055

287.1501,
216.7089, 416.9493


 18.8884, 8.0624,
37.7366


 56.7746, 32.9403,
96.6484


 11.6932, 4.1349,
25.4781


 76.0548, 46.8793,
125.0595

 6.6058, 1.7493,
16.2114


 99.2695, 64.2823,
158.5551

 3.2610, 0.4553,
9.5179

 126.7843, 85.5335,
197.5537

 1.2932, 0.0000,
4.9791

 158.9643,
111.0173, 242.4739

 0.1781, 0.0000,
2.1765

 196.1751,

 0.0000, 0.0000,

141.1183, 293.7342

0.6607

238.7819,
176.2206, 351.7531

■ 0.0000, 0.0000,
0.0000

■ 28.5568, 13.9162,
53.4055

■ 28.5568, 13.9162,
53.4055

■ 27.8839, 13.2237,
53.3075

■ 29.4978, 15.1138,
53.5873

■ 30.7761, 16.9765,
53.8794

■ 32.4374, 19.5953,
54.2974

■ 34.5200, 23.0467,
54.8538

■ 37.0573, 27.3976,
55.5599

■ 40.0795, 32.7081,
56.4256

■ 43.6141, 39.0333,
57.4602

■ 47.6864, 46.4239,
58.6721

■ 52.3203, 54.9273,
60.0692

Harmonies

Analogous

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



20.0593, 13.9162, 90.9710



28.5568, 13.9162, 53.4055



33.0992, 13.9162, 19.4264

Triad

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



28.5568, 13.9162, 53.4055



14.6454, 13.9162, 0.0000



4.0319, 13.9162, 39.1564

Complementary

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



28.5568, 13.9162, 53.4055



20.6208, 39.9205, 7.2351

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.



3.5058, 13.9162, 11.5563



28.5568, 13.9162, 53.4055



8.1543, 13.9162, 0.0000

Square

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



28.5568, 13.9162, 53.4055



23.3589, 13.9162, 0.0195



4.6850, 13.9162, 1.6566



6.5528, 13.9162, 78.6110

Rectangle

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



28.5568, 13.9162, 53.4055



32.3908, 13.9162, 7.0625



4.6850, 13.9162, 1.6566



3.6679, 13.9162, 27.8310

Sweetspot

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



28.5574, 13.9168, 53.4058



74.3514, 62.3572, 102.7251



10.9799, 5.6187, 52.7305



15.4661, 12.5502, 21.8572



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.



28.5574, 13.9168, 53.4058



50.3851, 23.8893, 96.5633



26.9045, 13.7644, 21.7140



10.3931, 10.1938, 12.7047



17.9586, 8.5184, 34.2543



0.8056, 0.3834, 1.4814

Inverse Universe

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



23.3321, 12.3355, 2.9021



41.4257, 21.3343, 2.9078



21.7232, 40.3043, 15.6206



10.1139, 10.0942, 10.6903



14.7236, 7.5792, 1.1904



0.6505, 0.3332, 0.1268

Previews

White Background



This preview shows how the XYZ color 28.5568, 13.9162, 53.4055 looks on a white background.

Color Contrast Check

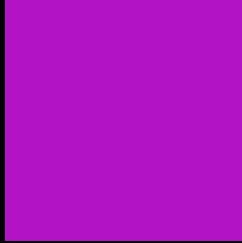
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.5568, 13.9162, 53.4055 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

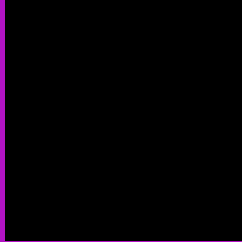
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 28.5568, 13.9162, 53.4055

Background



This preview shows how black text looks on a background with the XYZ color 28.5568, 13.9162, 53.4055.



This preview shows how white text looks on a background with the XYZ color 28.5568, 13.9162,

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

28.5568, 13.9162, 53.4055

Protanopia

17.0171, 14.4090, 66.1743

Deuteranopia

14.8514, 14.4495, 47.9052



Tritanopia

19.6345, 13.9814, 10.0513

Trichromacy



Original Color

28.5568, 13.9162, 53.4055



Protanomaly

15.8825, 10.3126, 60.8279



Deuteranomaly

15.9178, 10.8799, 49.4052



Tritanomaly

21.5270, 12.8419, 20.7462

Monochromacy



Original Color

28.5568, 13.9162, 53.4055



Achromatopsia

9.0590, 9.5307, 10.3790



Achromatomaly

13.2991, 8.9706, 21.1092

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.5568, 13.9162, 53.4055 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(178, 19, 196)` looks like.

```
.text, #text, p{  
    color:rgb(178, 19, 196)  
}
```

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(178, 19, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 19, 196) }
```

Border

The CSS property to change the border of an element to XYZ 28.5568, 13.9162, 53.4055 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(178, 19, 196) }
```


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

```
.border{ border-color:rgb(178, 19, 196) }
```

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

Here you see how a box with a 4 pixel rgb(178, 19, 196) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 19, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 19, 196);  
box-shadow:4px 4px 4px 4px rgb(178, 19,  
196) }
```

Background

The CSS property to change the background color of an element to XYZ 28.5568, 13.9162, 53.4055 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 19, 196) }
```

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

```
.background{ background-color: rgb(178, 19,  
196) }
```

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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