

Converting Colors

XYZ(26.7035, 9.9311, 53.4568)

Have a look what the booklet for
XYZ(26.7035, 9.9311, 53.4568)
contains.

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Color

**XYZ(28.4381, 13.4962,
53.9295)**

Conversions

Conversions Part 1

Format	Color
Hex	B200C5
RGB	178, 0, 197
RGB Percent	70%, 0%, 77%
CMY	0.3020, 0.9999, 0.2274
CMYK	0.10, 1.00, 0.00, 0.23
HSL	294°, 100%, 39%
HSV	294°, 100%, 77%
XYZ	28.4381, 13.4962, 53.9295
YIQ	75.6800, 42.8510, 99.0030

Conversions

Conversions Part 2

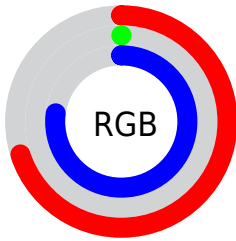
Format	Color
RYB	178, 0, 197
Decimal	11665605
CIELab	43.50, 77.95, -55.65
CIELCh	44, 95.775, 324.474
Yxy	13.4962, 0.2967, 0.1408
Android (android.graphics.Color)	4289855685 (0xFFB200C5)
YUV	75.6800, 59.8108, 89.7346
Hunter-Lab	36.7372, 73.8861, -61.3206

Details

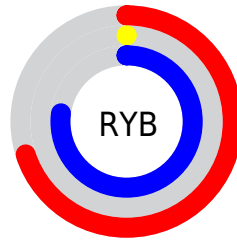
The XYZ color **28.4381, 13.4962, 53.9295** is a dark color, and the websafe version is hex **CC00CC**. The color can be described as dark washed purple. A complement of this color would be **20.2353, 40.0713, 6.6686**, and the grayscale version is **6.7024, 7.0515, 7.6791**.

A 20% lighter version of the original color is **56.7181, 32.2135, 97.8362**, and **12.6282, 5.9461, 26.0733** is the 20% darker color. If you saturate the color by 10%, you get **28.4381, 13.4962, 53.9297**, and if you desaturate by 10%, it is **29.1228, 14.2132, 54.0320**.

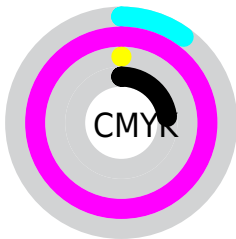
Distribution



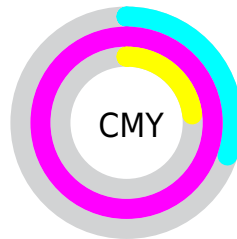
- Red (70%)
- Green (0%)
- Blue (77%)



- Red (70%)
- Yellow (0%)
- Blue (77%)



- Cyan (10%)
- Magenta (100%)
- Yellow (0%)
- Black (23%)



- Cyan (30%)
- Magenta (100%)
- Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.4381, 13.4962, 53.9295 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 28.4381, 13.4962, 53.9295 by changing the saturation by 10% instead.

 28.4381, 13.4962,
53.9295

 28.4381, 13.4962,
53.9295


286.5967,
214.0737, 419.0081


 18.7983, 7.7711,
38.1525


 56.5869, 32.1924,
97.4261


 11.6278, 3.9488,
25.7983


 75.8266, 45.9323,
125.9828


 6.5611, 1.6450,
16.4484


 98.9970, 63.1126,
159.6364

 3.2331, 0.3876,
9.6842

 126.4634, 84.1177,
198.8056

 1.2782, 0.0000,
5.0872

 158.5913,
109.3319, 243.9088

 0.1668, 0.0000,
2.2389

 195.7459,

 0.0000, 0.0000,

139.1398, 295.3646

0.6967

238.2926,
173.9256, 353.5915

■ 0.0000, 0.0000,
0.0000

■ 28.4381, 13.4962,
53.9295

■ 28.4381, 13.4962,
53.9295

■ 28.4381, 13.4962,
53.9297

■ 29.1228, 14.2132,
54.0320

■ 30.0620, 15.4309,
54.2175

■ 31.3439, 17.3249,
54.5156

■ 33.0141, 19.9864,
54.9413

■ 35.1110, 23.4922,
55.5074

■ 37.6684, 27.9100,
56.2254

■ 40.7168, 33.3005,
57.1052

■ 44.2839, 39.7192,
58.1561

■ 48.3954, 47.2174,
59.3867

Harmonies

Analogous

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



19.7498, 13.4962, 92.9976



28.4381, 13.4962, 53.9295



33.1073, 13.4962, 19.0253

Triad

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



28.4381, 13.4962, 53.9295



14.2620, 13.4962, 0.0000



3.6900, 13.4962, 39.1903

Complementary

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



28.4381, 13.4962, 53.9295



20.2353, 40.0713, 6.6686

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.



3.1817, 13.4962, 11.0774



28.4381, 13.4962, 53.9295



7.7477, 13.4962, 0.0000

Square

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



28.4381, 13.4962, 53.9295



23.1212, 13.4962, 0.0000



4.3264, 13.4962, 1.4074



6.1582, 13.4962, 80.0862

Rectangle

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



28.4381, 13.4962, 53.9295



32.3801, 13.4962, 6.6219



4.3264, 13.4962, 1.4074



3.3379, 13.4962, 27.5689

Sweetspot

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



28.4387, 13.4968, 53.9298



72.6474, 59.1475, 102.1954



10.3235, 4.5217, 53.1522



15.0295, 11.7361, 21.7231



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.



28.4387, 13.4968, 53.9298



50.8133, 24.1101, 96.5833



26.3086, 13.1837, 18.3624



10.9784, 10.7626, 13.4163



18.7440, 8.8971, 35.4738



0.9175, 0.4368, 1.6811

Inverse Universe

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



23.1439, 11.9178, 1.6974



41.4111, 21.3285, 2.8311



21.3710, 40.4946, 14.0511



10.6747, 10.6533, 11.2704



15.2368, 7.8443, 1.1911



0.7360, 0.3772, 0.1329

Previews

White Background



This preview shows how the XYZ color 28.4381, 13.4962, 53.9295 looks on a white background.

Color Contrast Check

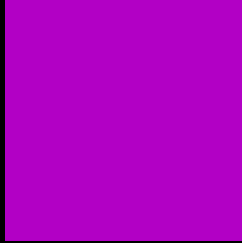
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.4381, 13.4962, 53.9295 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

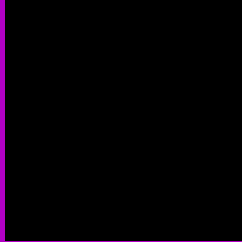
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 28.4381, 13.4962, 53.9295

Background



This preview shows how black text looks on a background with the XYZ color 28.4381, 13.4962, 53.9295.



This preview shows how white text looks on a background with the XYZ color 28.4381, 13.4962,

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

28.4381, 13.4962, 53.9295

Protanopia

16.7913, 14.1624, 65.4669

Deuteranopia

14.5382, 14.1342, 47.8609



Tritanopia

19.5251, 13.8248, 9.8230

Trichromacy



Original Color

28.4381, 13.4962, 53.9295



Protanomaly

15.3985, 9.3447, 60.6666



Deuteranomaly

15.0302, 9.6669, 49.2178



Tritanomaly

21.0986, 12.0869, 20.2898

Monochromacy



Original Color

28.4381, 13.4962, 53.9295



Achromatopsia

6.8694, 7.2272, 7.8704



Achromatomaly

11.2572, 6.9807, 18.5234

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.4381, 13.4962, 53.9295 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, 0, 197)` looks like.

```
.text, #text, p{  
    color:rgb(178, 0, 197)  
}
```

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, 0, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 0, 197) }
```

Border

The CSS property to change the border of an element to XYZ 28.4381, 13.4962, 53.9295 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, 0, 197) }
```


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

```
.border{ border-color:rgb(178, 0, 197) }
```

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

Here you see how a box with a 4 pixel rgb(178, 0, 197) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 0, 197); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 0, 197);  
box-shadow:4px 4px 4px 4px rgb(178, 0,  
197) }
```

Background

The CSS property to change the background color of an element to XYZ 28.4381, 13.4962, 53.9295 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 0, 197) }
```

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

```
.background{ background-color: rgb(178, 0,  
197) }
```

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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