

Converting Colors

XYZ(28.3967, 13.5128, 56.7568)

Have a look what the booklet for
XYZ(28.3967, 13.5128, 56.7568)
contains.

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Color

**XYZ(28.4050, 13.5085,
56.9874)**

Conversions

Conversions Part 1

Format	Color
Hex	AF06CA
RGB	175, 6, 202
RGB Percent	69%, 2%, 79%
CMY	0.3137, 0.9764, 0.2078
CMYK	0.13, 0.97, 0.00, 0.21
HSL	292°, 94%, 41%
HSV	292°, 97%, 79%
XYZ	28.4050, 13.5085, 56.9874
YIQ	78.8750, 37.8080, 96.7840

Conversions

Conversions Part 2

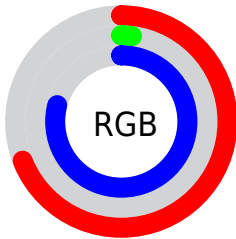
Format	Color
R_{YB}	175, 6, 202
Decimal	11470538
CIE _{Lab}	43.52, 77.74, -58.56
CIE _{LCh}	44, 97.325, 323.011
Yxy	13.5085, 0.2872, 0.1366
Android (android.graphics.Color)	4289660618 (0xFFAF06CA)
YUV	78.8750, 60.7006, 84.3016
Hunter-Lab	36.7539, 73.6331, -66.2021

Details

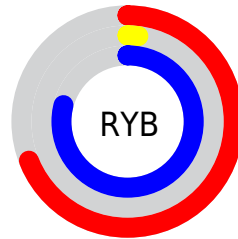
The XYZ color **28.4050, 13.5085, 56.9874** is a dark color, and the websafe version is hex **9900CC**. The color can be described as dark washed purple. A complement of this color would be **21.7813, 42.5780, 7.2432**, and the grayscale version is **7.2926, 7.6724, 8.3552**.

A 20% lighter version of the original color is **55.8833, 32.0269, 97.8442**, and **12.6026, 5.8885, 28.0761** is the 20% darker color. If you saturate the color by 10%, you get **28.1548, 13.2828, 56.9572**, and if you desaturate by 10%, it is **29.3456, 14.4522, 57.1202**.

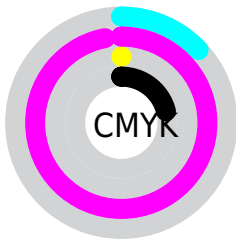
Distribution



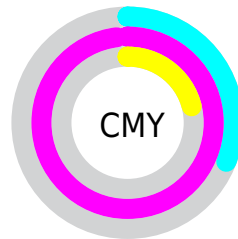
- Red (69%)
- Green (2%)
- Blue (79%)



- Red (69%)
- Yellow (2%)
- Blue (79%)



- Cyan (13%)
- Magenta (97%)
- Yellow (0%)
- Black (21%)





- Cyan (31%)
- Magenta (98%)
- Yellow (21%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.4050, 13.5085, 56.9874 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 28.4050, 13.5085, 56.9874 by changing the saturation by 10% instead.


 28.4050, 13.5085,
56.9874


 28.4050, 13.5085,
56.9874

286.4422,
214.1514, 430.8945


 18.7732, 7.7796,
40.5858


 56.5345, 32.2144,
101.9470

 11.6095, 3.9543,
27.6783


 75.7630, 45.9601,
131.3420


 6.5487, 1.6480,
17.8464


 98.9210, 63.1470,
165.9053

 3.2253, 0.3896,
10.6715

 126.3739, 84.1593,
206.0554

 1.2740, 0.0000,
5.7350

 158.4872,
109.3815, 252.2109

 0.1636, 0.0000,
2.6185

 195.6261,

 0.0000, 0.0000,

139.1980, 304.7902

0.9020

238.1560,
173.9932, 364.2119

■ 0.0000, 0.0000,
0.0000

■ 28.4050, 13.5085,
56.9874

■ 28.4050, 13.5085,
56.9874

■ 28.1548, 13.2828,
56.9572

■ 29.3456, 14.4522,
57.1202

■ 30.6088, 16.0225,
57.3567

■ 32.2570, 18.3434,
57.7178

■ 34.3361, 21.5068,
58.2188

■ 36.8855, 25.5912,
58.8728

■ 39.9400, 30.6662,
59.6914

■ 43.5311, 36.7946,
60.6851

■ 47.6878, 44.0342,
61.8634

■ 52.4366, 52.4383,
63.2352

Harmonies

Analogous

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



19.4405, 13.5085, 96.6359



28.4050, 13.5085, 56.9874



33.4900, 13.5085, 20.4107

Triad

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



28.4050, 13.5085, 56.9874



14.7008, 13.5085, 0.0000



3.5395, 13.5085, 37.8820

Complementary

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



28.4050, 13.5085, 56.9874



21.7813, 42.5780, 7.2432

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.



3.1115, 13.5085, 10.1814



28.4050, 13.5085, 56.9874



7.9325, 13.5085, 0.0000

Square

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



28.4050, 13.5085, 56.9874



23.7905, 13.5085, 0.0000



4.3472, 13.5085, 1.1644



5.9017, 13.5085, 79.8515

Rectangle

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



28.4050, 13.5085, 56.9874



32.9874, 13.5085, 7.1553



4.3472, 13.5085, 1.1644



3.2162, 13.5085, 26.2852

Sweetspot

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



28.4056, 13.5091, 56.9877



72.1749, 59.6669, 102.3206



11.3493, 5.5297, 56.3465



14.8818, 11.8032, 21.7438



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.



28.4056, 13.5091, 56.9877



47.5263, 22.4156, 96.4295



28.6843, 14.3919, 23.6037



11.5297, 11.3224, 14.1481



18.1733, 8.5762, 36.6538



0.9805, 0.4646, 1.8929

Inverse Universe

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



24.6972, 12.7971, 2.6083



41.5453, 21.3821, 3.5376



22.4526, 42.7827, 13.6615



11.2742, 11.2384, 11.9786



15.8265, 8.1412, 1.5391



0.8374, 0.4284, 0.1899

Previews

White Background



This preview shows how the XYZ color 28.4050, 13.5085, 56.9874 looks on a white background.

Color Contrast Check

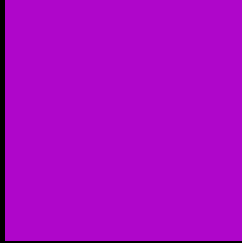
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.4050, 13.5085, 56.9874 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

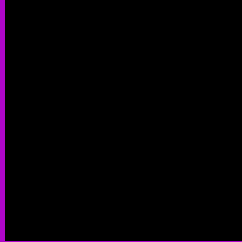
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 28.4050, 13.5085, 56.9874

Background



This preview shows how black text looks on a background with the XYZ color 28.4050, 13.5085, 56.9874.



This preview shows how white text looks on a background with the XYZ color 28.4050, 13.5085,

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

28.4050, 13.5085, 56.9874

Protanopia

16.6639, 14.1115, 64.7963

Deuteranopia

14.2311, 13.9389, 49.5174



Tritanopia

18.9329, 13.7214, 10.2450

Trichromacy



Original Color

28.4050, 13.5085, 56.9874



Protanomaly

15.5712, 9.5899, 61.3519



Deuteranomaly

13.9302, 9.3206, 51.5169



Tritanomaly

20.6413, 12.0138, 21.6531

Monochromacy



Original Color

28.4050, 13.5085, 56.9874



Achromatopsia

7.4317, 7.8187, 8.5146



Achromatomaly

11.8055, 7.4886, 19.8920

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.4050, 13.5085, 56.9874 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(175, 6, 202)` looks like.

```
.text, #text, p{  
    color:rgb(175, 6, 202)  
}
```

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(175, 6, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 6, 202) }
```

Border

The CSS property to change the border of an element to XYZ 28.4050, 13.5085, 56.9874 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(175, 6, 202) }
```


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

```
.border{ border-color:rgb(175, 6, 202) }
```

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

Here you see how a box with a 4 pixel `rgb(175, 6, 202)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 6, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 6, 202);  
box-shadow:4px 4px 4px 4px rgb(175, 6,  
202) }
```

Background

The CSS property to change the background color of an element to XYZ 28.4050, 13.5085, 56.9874 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 6, 202) }
```

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

```
.background{ background-color: rgb(175, 6,  
202) }
```

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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