

Converting Colors

XYZ(28.5727, 13.8495, 66.1755)

Have a look what the booklet for
XYZ(28.5727, 13.8495, 66.1755)
contains.

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Color

**XYZ(28.4899, 13.8036,
66.1285)**

Conversions

Conversions Part 1

Format	Color
Hex	A61AD8
RGB	166, 26, 216
RGB Percent	65%, 10%, 85%
CMY	0.3490, 0.8980, 0.1529
CMYK	0.23, 0.88, 0.00, 0.15
HSL	284°, 79%, 47%
HSV	284°, 88%, 85%
XYZ	28.4899, 13.8036, 66.1285
YIQ	89.5200, 22.4500, 88.7700

Conversions

Conversions Part 2

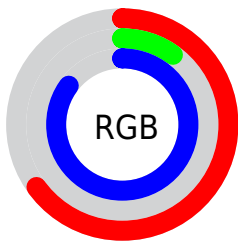
Format	Color
R_{YB}	166, 26, 216
Decimal	10885848
CIE _{Lab}	43.95, 76.22, -66.01
CIE _{LCh}	44, 100.828, 319.105
Yxy	13.8036, 0.2628, 0.1273
Android (android.graphics.Color)	4289075928 (0xFFA61AD8)
YUV	89.5200, 62.3546, 67.0730
Hunter-Lab	37.1532, 71.8597, -79.5223

Details

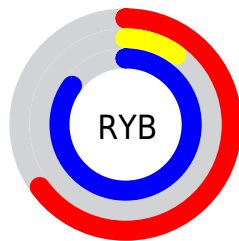
The XYZ color **28.4899, 13.8036, 66.1285** is a dark color, and the websafe version is hex **9900CC**. The color can be described as middle washed purple. A complement of this color would be **27.7231, 50.7231, 9.3069**, and the grayscale version is **9.4740, 9.9674, 10.8545**.

A 20% lighter version of the original color is **53.4167, 31.3942, 97.8520**, and **12.4086, 5.6639, 33.6969** is the 20% darker color. If you saturate the color by 10%, you get **27.0034, 12.5599, 65.9670**, and if you desaturate by 10%, it is **30.3801, 15.7748, 66.4096**.

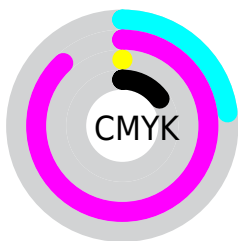
Distribution



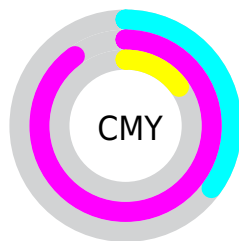
- Red (65%)
- Green (10%)
- Blue (85%)



- Red (65%)
- Yellow (10%)
- Blue (85%)



- Cyan (23%)
- Magenta (88%)
- Yellow (0%)
- Black (15%)





- Cyan (35%)
- Magenta (90%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.4899, 13.8036, 66.1285 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 28.4899, 13.8036, 66.1285 by changing the saturation by 10% instead.

 28.4899, 13.8036,
66.1285


 28.4899, 13.8036,
66.1285


286.8383,
216.0056, 465.2531


 18.8376, 7.9842,
47.9196


 56.6688, 32.7401,
115.2995


 11.6563, 4.0848,
33.4037

 75.9262, 46.6261,
147.0987


 6.5806, 1.7211,
22.1622


 99.1160, 63.9696,
184.2650

 3.2452, 0.4373,
13.7767

 126.6035, 85.1552,
227.2170

 1.2847, 0.0000,
7.8285

 158.7541,
110.5672, 276.3733

 0.1717, 0.0000,
3.8992

 195.9332,

 0.0000, 0.0000,

140.5900, 332.1524

1.5702

238.5062,
175.6080, 394.9728

■ 0.0000, 0.0000,
0.2694

■ 0.0000, 0.0000,
0.0000

■ 28.4899, 13.8036,
66.1285

■ 28.4899, 13.8036,
66.1285

■ 27.0034, 12.5599,
65.9670

■ 30.3801, 15.7748,
66.4096

■ 26.7244, 12.3451,
65.9403

■ 32.7514, 18.6300,
66.8357

■ 35.6606, 22.4807,
67.4257

■ 39.1552, 27.4212,
68.1951

■ 43.2773, 33.5348,
69.1579

■ 48.0650, 40.8965,
70.3265

■ 53.5530, 49.5751,
71.7124

■ 59.7736, 59.6341,
73.3261

■ 66.7570, 71.1332,
75.1776

Harmonies

Analogous

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



18.8159, 13.8036, 106.6705



28.4899, 13.8036, 66.1285



34.7174, 13.8036, 24.9700

Triad

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



28.4899, 13.8036, 66.1285



16.2420, 13.8036, 0.0000



3.3009, 13.8036, 34.5112

Complementary

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



28.4899, 13.8036, 66.1285



27.7231, 50.7231, 9.3069

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.



3.0793, 13.8036, 8.1550



28.4899, 13.8036, 66.1285



8.7079, 13.8036, 0.0000

Square

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



28.4899, 13.8036, 66.1285



25.9614, 13.8036, 0.0000



4.5982, 13.8036, 0.6828



5.4152, 13.8036, 78.8198

Rectangle

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



28.4899, 13.8036, 66.1285



34.8770, 13.8036, 9.0887



4.5982, 13.8036, 0.6828



3.0477, 13.8036, 23.1197

Sweetspot

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



28.4906, 13.8041, 66.1288



71.2931, 61.5861, 102.7375



15.4517, 10.4393, 66.1666



14.7005, 12.3095, 21.8511



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.



28.4906, 13.8041, 66.1288



38.7634, 17.8982, 96.0194



36.1030, 18.3038, 40.4929



12.6193, 12.4607, 15.6776



15.9244, 7.3618, 39.0348



1.0364, 0.4832, 2.3579

Inverse Universe

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



29.9931, 15.8598, 8.3184



42.2562, 21.6665, 7.2815



26.0982, 49.7780, 14.0829



12.5561, 12.4739, 13.6026



17.2348, 8.8302, 3.2746



1.0738, 0.5463, 0.3780

Previews

White Background



This preview shows how the XYZ color 28.4899, 13.8036, 66.1285 looks on a white background.

Color Contrast Check

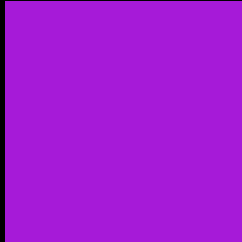
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.4899, 13.8036, 66.1285 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

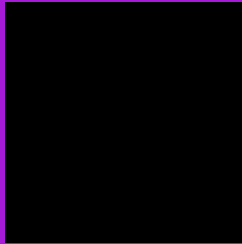
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 28.4899, 13.8036, 66.1285

Background



This preview shows how black text looks on a background with the XYZ color 28.4899, 13.8036, 66.1285.



This preview shows how white text looks on a background with the XYZ color 28.4899, 13.8036,

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

28.4899, 13.8036, 66.1285

Protanopia

16.6639, 14.1115, 64.7963

Deuteranopia

14.1206, 14.0606, 48.4241



Tritanopia

17.4166, 13.8097, 12.1035

Trichromacy



Original Color

28.4899, 13.8036, 66.1285



Protanomaly

16.4499, 10.7133, 64.8192



Deuteranomaly

14.6659, 10.4407, 54.0656



Tritanomaly

19.8042, 12.4856, 25.4109

Monochromacy



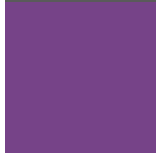
Original Color

28.4899, 13.8036, 66.1285



Achromatopsia

9.7181, 10.2242, 11.1341



Achromatomaly

13.9223, 9.6434, 24.4201

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.4899, 13.8036, 66.1285 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(166, 26, 216)` looks like.

```
.text, #text, p{  
    color:rgb(166, 26, 216)  
}
```

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(166, 26, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 26, 216) }
```

Border

The CSS property to change the border of an element to XYZ 28.4899, 13.8036, 66.1285 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(166, 26, 216) }
```


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

```
.border{ border-color:rgb(166, 26, 216) }
```

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

Here you see how a box with a 4 pixel rgb(166, 26, 216) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 26, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 26, 216);  
box-shadow:4px 4px 4px 4px rgb(166, 26,  
216) }
```

Background

The CSS property to change the background color of an element to XYZ 28.4899, 13.8036, 66.1285 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 26, 216) }
```

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

```
.background{ background-color: rgb(166, 26,  
216) }
```

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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