

Converting Colors

XYZ(28.0445, 13.1266, 61.4421)

Have a look what the booklet for
XYZ(28.0445, 13.1266, 61.4421)
contains.

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Color

**XYZ(28.0862, 13.1495,
61.3794)**

Conversions

Conversions Part 1

Format	Color
Hex	AA00D1
RGB	170, 0, 209
RGB Percent	67%, 0%, 82%
CMY	0.3333, 1.0000, 0.1804
CMYK	0.19, 1.00, 0.00, 0.18
HSL	289°, 100%, 41%
HSV	289°, 100%, 82%
XYZ	28.0862, 13.1495, 61.3794
YIQ	74.6560, 34.2310, 101.0390

Conversions

Conversions Part 2

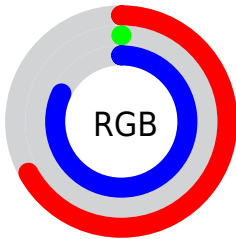
Format	Color
R_{YB}	170, 0, 209
Decimal	11141329
CIE _{Lab}	42.99, 78.78, -63.51
CIE _{LCh}	43, 101.191, 321.123
Yxy	13.1495, 0.2737, 0.1281
Android (android.graphics.Color)	4289331409 (0xFFAA00D1)
YUV	74.6560, 66.2316, 83.6167
Hunter-Lab	36.2622, 74.7947, -74.9738

Details

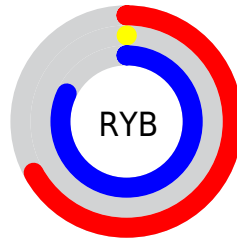
The XYZ color **28.0862, 13.1495, 61.3794** is a dark color, and the websafe version is hex **9900CC**. The color can be described as dark washed purple. A complement of this color would be **23.6377, 46.0327, 7.6397**, and the grayscale version is **6.5084, 6.8474, 7.4568**.

A 20% lighter version of the original color is **54.0913, 30.8594, 97.7133**, and **12.4319, 5.7447, 30.5906** is the 20% darker color. If you saturate the color by 10%, you get **28.0862, 13.1495, 61.3796**, and if you desaturate by 10%, it is **29.2090, 14.1240, 61.5086**.

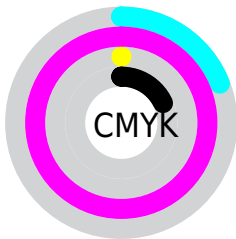
Distribution



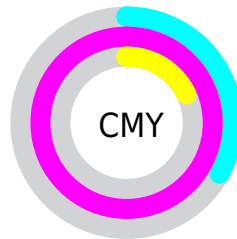
- Red (67%)
- Green (0%)
- Blue (82%)



- Red (67%)
- Yellow (0%)
- Blue (82%)



- Cyan (19%)
- Magenta (100%)
- Yellow (0%)
- Black (18%)





- Cyan (33%)
- Magenta (100%)
- Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 28.0862, 13.1495, 61.3794 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 28.0862, 13.1495, 61.3794 by changing the saturation by 10% instead.

 28.0862, 13.1495,
61.3794


 28.0862, 13.1495,
61.3794


284.9512,
211.8736, 447.6087


 18.5314, 7.5316,
44.0989


 56.0297, 31.5721,
108.3910


 11.4342, 3.7967,
30.4105


 75.1492, 45.1456,
138.9591

 6.4291, 1.5605,
19.8957


 98.1876, 62.1397,
174.7935

 3.1508, 0.3308,
12.1359

 125.5103, 82.9388,
216.3127

 1.2340, 0.0000,
6.7126

 157.4826,
107.9274, 263.9353

 0.1330, 0.0000,
3.2073

 194.4700,

 0.0000, 0.0000,

137.4898, 318.0798

1.2015

236.8377,
172.0104, 379.1648

■ 0.0000, 0.0000,
0.0000

■ 28.0862, 13.1495,
61.3794

■ 28.0862, 13.1495,
61.3794

■ 28.0862, 13.1495,
61.3796

■ 29.2090, 14.1240,
61.5086

■ 30.6447, 15.6877,
61.7347

■ 32.4914, 18.0355,
62.0905

■ 34.8022, 21.2734,
62.5937

■ 37.6218, 25.4907,
63.2591

■ 40.9896, 30.7657,
64.0998

■ 44.9410, 37.1688,
65.1275

■ 49.5081, 44.7643,
66.3528

■ 54.7210, 53.6115,
67.7858

Harmonies

Analogous

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



18.6839, 13.1495, 102.6285



28.0862, 13.1495, 61.3794



33.7992, 13.1495, 21.9769

Triad

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



28.0862, 13.1495, 61.3794



14.9453, 13.1495, 0.0000



3.1066, 13.1495, 35.9007

Complementary

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



28.0862, 13.1495, 61.3794



23.6377, 46.0327, 7.6397

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.



2.7922, 13.1495, 8.6834



28.0862, 13.1495, 61.3794



7.8550, 13.1495, 0.0000

Square

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



28.0862, 13.1495, 61.3794



24.3987, 13.1495, 0.0000



4.1088, 13.1495, 0.7414



5.2770, 13.1495, 80.0117

Rectangle

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



28.0862, 13.1495, 61.3794



33.6024, 13.1495, 7.5543



4.1088, 13.1495, 0.7414



2.8297, 13.1495, 24.2458

Sweetspot

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



28.0868, 13.1500, 61.3797



70.2518, 57.9125, 102.0833



12.3300, 6.2460, 60.8776



14.4495, 11.4371, 21.6960



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.



28.0868, 13.1500, 61.3797



43.8985, 20.5454, 96.2597



31.5067, 15.6404, 28.6765



12.0855, 11.8929, 14.9022



17.3951, 8.1478, 37.8484



1.0299, 0.4851, 2.1189

Inverse Universe

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



26.6611, 13.7022, 3.1599



41.7650, 21.4700, 4.6944



23.6898, 45.9568, 12.2820



11.8976, 11.8438, 12.7364



16.4651, 8.4589, 2.0894



0.9482, 0.4840, 0.2621

Previews

White Background



This preview shows how the XYZ color 28.0862, 13.1495, 61.3794 looks on a white background.

Color Contrast Check

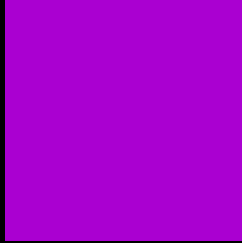
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.0862, 13.1495, 61.3794 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

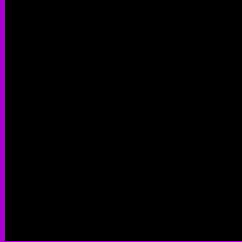
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 28.0862, 13.1495, 61.3794

Background



This preview shows how black text looks on a background with the XYZ color 28.0862, 13.1495, 61.3794.



This preview shows how white text looks on a background with the XYZ color 28.0862, 13.1495,

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

28.0862, 13.1495, 61.3794

Protanopia

16.3150, 13.8175, 63.4352

Tritanopia

17.9156, 13.5115, 10.8962

Trichromacy



Original Color

28.0862, 13.1495, 61.3794



Protanomaly

15.4529, 9.3441, 61.9619



Tritanomaly

19.6909, 11.4929, 23.0103

Monochromacy



Original Color

28.0862, 13.1495, 61.3794



Achromatopsia

6.6877, 7.0360, 7.6622



Achromatomaly

11.1255, 6.8841, 19.8112

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.0862, 13.1495, 61.3794 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(170, 0, 209)` looks like.

```
.text, #text, p{  
  color:rgb(170, 0, 209)  
}
```

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(170, 0, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 0, 209) }
```

Border

The CSS property to change the border of an element to XYZ 28.0862, 13.1495, 61.3794 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(170, 0, 209) }
```

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

```
.border{ border-color:rgb(170, 0, 209) }
```

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

Here you see how a box with a 4 pixel rgb(170, 0, 209) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 0, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 0, 209);  
box-shadow:4px 4px 4px 4px rgb(170, 0,  
209) }
```


Background

The CSS property to change the background color of an element to XYZ 28.0862, 13.1495, 61.3794 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 0, 209) }
```

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

```
.background{ background-color: rgb(170, 0,  
209) }
```

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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