

Converting Colors

XYZ(28.4999, 13.0516, 89.2988)

Have a look what the booklet for
XYZ(28.4999, 13.0516, 89.2988)
contains.

XYZ(28.4905, 13.0456, 89.0121)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(28.4905, 13.0456,
89.0121)**

Conversions

Conversions Part 1

Format	Color
Hex	9011F7
RGB	144, 17, 247
RGB Percent	56%, 7%, 97%
CMY	0.4353, 0.9333, 0.0314
CMYK	0.42, 0.93, 0.00, 0.03
HSL	273°, 93%, 52%
HSV	273°, 93%, 97%
XYZ	28.4905, 13.0456, 89.0121
YIQ	81.1930, 1.8620, 98.4540

Conversions

Conversions Part 2

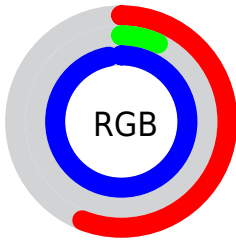
Format	Color
R_{YB}	144, 17, 247
Decimal	9441783
CIE _{Lab}	42.83, 81.04, -85.57
CIE _{LCh}	43, 117.856, 313.441
Yxy	13.0456, 0.2182, 0.0999
Android (android.graphics.Color)	4287631863 (0xFF9011F7)
YUV	81.1930, 81.7429, 55.0817
Hunter-Lab	36.1187, 77.5935, -120.8331

Details

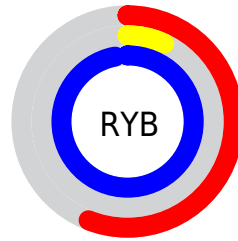
The XYZ color **28.4905, 13.0456, 89.0121** is a dark color, and the websafe version is hex **9900FF**. The color can be described as middle washed purple. A complement of this color would be **41.1071, 70.5550, 11.9822**, and the grayscale version is **7.7031, 8.1043, 8.8255**.

A 20% lighter version of the original color is **47.0760, 27.4866, 97.4320**, and **12.4936, 5.3796, 48.5240** is the 20% darker color. If you saturate the color by 10%, you get **27.0057, 11.9825, 88.8855**, and if you desaturate by 10%, it is **31.1359, 15.3251, 89.3130**.

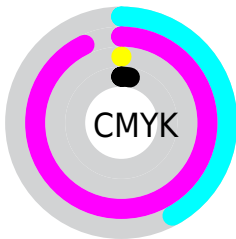
Distribution



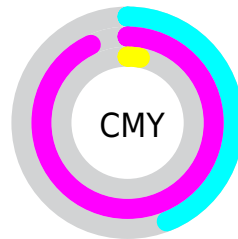
- Red (56%)
- Green (7%)
- Blue (97%)



- Red (56%)
- Yellow (7%)
- Blue (97%)



- Cyan (42%)
- Magenta (93%)
- Yellow (0%)
- Black (3%)





- Cyan (44%)
- Magenta (93%)
- Yellow (3%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 28.4905, 13.0456, 89.0121 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 28.4905, 13.0456, 89.0121 by changing the saturation by 10% instead.

 28.4905, 13.0456,
89.0121


 28.4905, 13.0456,
89.0121


286.8411,
211.2097, 545.2989


 18.8381, 7.4600,
66.5925


 56.6698, 31.3857,
147.8889


 11.6566, 3.7514,
48.2940


 75.9274, 44.9089,
185.1832


 6.5809, 1.5355,
33.6981


 99.1173, 61.8468,
228.2727

 3.2454, 0.3135,
22.3863

 126.6051, 82.5837,
277.5761

 1.2848, 0.0000,
13.9400

 158.7560,
107.5041, 333.5119

 0.1718, 0.0000,
7.9407

 195.9354,

 0.0000, 0.0000,

136.9922, 396.4986

3.9698

238.5087,
171.4327, 466.9548

■ 0.0000, 0.0000,
1.6088

■ 0.0000, 0.0000,
0.2971

■ 28.4905, 13.0456,
89.0121

■ 28.4905, 13.0456,
89.0121

■ 27.0057, 11.9825,
88.8855

■ 31.1359, 15.3251,
89.3130

■ 34.5124, 18.7792,
89.8017

■ 38.7121, 23.5836,
90.5077

■ 43.8109, 29.8828,
91.4549

■ 49.8748, 37.8021,
92.6638

■ 56.9632, 47.4535,
94.1531

■ 65.1301, 58.9384,
95.9395

■ 74.4254, 72.3505,
98.0384

■ 84.8956, 87.7768,
100.4641

Harmonies

Analogous

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



16.8677, 13.0456, 137.2800



28.4905, 13.0456, 89.0121



37.4491, 13.0456, 33.5044

Triad

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



28.4905, 13.0456, 89.0121



18.0082, 13.0456, 0.0000



2.0402, 13.0456, 29.1011

Complementary

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



28.4905, 13.0456, 89.0121



41.1071, 70.5550, 11.9822

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.



2.1142, 13.0456, 4.2503



28.4905, 13.0456, 89.0121



8.7994, 13.0456, 0.0000

Square

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



28.4905, 13.0456, 89.0121



29.6646, 13.0456, 0.0000



3.9062, 13.0456, 0.0000



3.6062, 13.0456, 82.6921

Rectangle

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



28.4905, 13.0456, 89.0121



38.9005, 13.0456, 11.4352



3.9062, 13.0456, 0.0000



1.9102, 13.0456, 17.3881

Sweetspot

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



28.4913, 13.0460, 89.0125



65.5471, 57.0272, 102.1604



23.7964, 20.3880, 90.6771



13.2404, 11.1030, 21.6952



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.



28.4913, 13.0460, 89.0125



29.0021, 12.8660, 95.5625



53.6261, 26.2022, 81.2079



16.4561, 16.3778, 20.8365



14.4484, 6.4228, 47.0162



1.3881, 0.6254, 4.1378

Inverse Universe

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



41.9482, 21.5310, 19.7127



44.2881, 22.4793, 17.9813



33.7077, 66.7272, 12.2332



16.8076, 16.6059, 18.7332



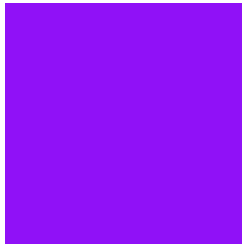
21.8614, 11.0880, 9.2445



1.9724, 0.9949, 1.0809

Previews

White Background



This preview shows how the XYZ color 28.4905, 13.0456, 89.0121 looks on a white background.

Color Contrast Check

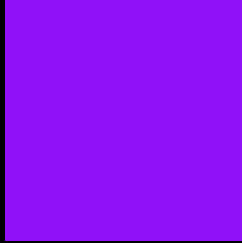
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.4905, 13.0456, 89.0121 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

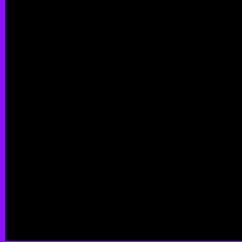
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 28.4905, 13.0456, 89.0121

Background



This preview shows how black text looks on a background with the XYZ color 28.4905, 13.0456, 89.0121.



This preview shows how white text looks on a background with the XYZ color 28.4905, 13.0456,

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

28.4905, 13.0456, 89.0121

Protanopia

15.5083, 13.1916, 60.1214

Deuteranopia

12.9874, 13.2775, 43.4733



Tritanopia

13.6345, 13.0800, 15.1707

Trichromacy



Original Color

28.4905, 13.0456, 89.0121



Protanomaly

16.5954, 10.2068, 69.5020



Deuteranomaly

14.4594, 9.7594, 56.9988



Tritanomaly

16.4651, 10.8537, 33.1254

Monochromacy



Original Color

28.4905, 13.0456, 89.0121



Achromatopsia

7.8210, 8.2283, 8.9606



Achromatomaly

12.0297, 7.8923, 26.0886

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.4905, 13.0456, 89.0121 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(144, 17, 247)` looks like.

```
.text, #text, p{  
    color:rgb(144, 17, 247)  
}
```

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(144, 17, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 17, 247) }
```

Border

The CSS property to change the border of an element to XYZ 28.4905, 13.0456, 89.0121 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(144, 17, 247) }
```


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

```
.border{ border-color:rgb(144, 17, 247) }
```

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

Here you see how a box with a 4 pixel `rgb(144, 17, 247)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(144, 17, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(144, 17, 247);  
box-shadow:4px 4px 4px 4px rgb(144, 17,  
247) }
```

Background

The CSS property to change the background color of an element to XYZ 28.4905, 13.0456, 89.0121 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(144, 17, 247) }
```

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

```
.background{ background-color: rgb(144, 17,  
247) }
```

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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