

Converting Colors

XYZ(28.9927, 13.5033, 66.5536)

Have a look what the booklet for
XYZ(28.9927, 13.5033, 66.5536)
contains.

XYZ(29.1019, 13.5558, 66.7283)	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(29.1019, 13.5558,
66.7283)**

Conversions

Conversions Part 1

Format	Color
Hex	AA00D9
RGB	170, 0, 217
RGB Percent	67%, 0%, 85%
CMY	0.3333, 1.0000, 0.1490
CMYK	0.22, 1.00, 0.00, 0.15
HSL	287°, 100%, 43%
HSV	287°, 100%, 85%
XYZ	29.1019, 13.5558, 66.7283
YIQ	75.5680, 31.6630, 103.5270

Conversions

Conversions Part 2

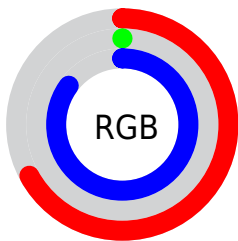
Format	Color
R_{YB}	170, 0, 217
Decimal	11141337
CIE _{Lab}	43.59, 80.15, -67.14
CIE _{LCh}	44, 104.558, 320.047
Yxy	13.5558, 0.2660, 0.1239
Android (android.graphics.Color)	4289331417 (0xFFAA00D9)
YUV	75.5680, 69.7260, 82.8169
Hunter-Lab	36.8182, 76.6584, -81.6828

Details

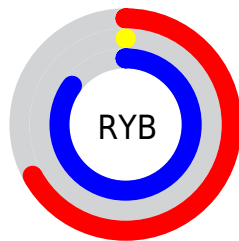
The XYZ color **29.1019, 13.5558, 66.7283** is a dark color, and the websafe version is hex **9900CC**. The color can be described as dark washed purple. A complement of this color would be **25.9858, 50.2305, 8.3262**, and the grayscale version is **6.6657, 7.0128, 7.6370**.

A 20% lighter version of the original color is **54.0913, 30.8594, 97.7133**, and **12.9886, 5.9527, 34.1826** is the 20% darker color. If you saturate the color by 10%, you get **29.1019, 13.5558, 66.7285**, and if you desaturate by 10%, it is **30.4183, 14.6522, 66.8708**.

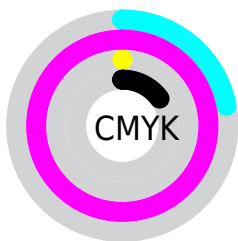
Distribution



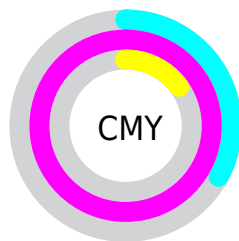
- Red (67%)
- Green (0%)
- Blue (85%)



- Red (67%)
- Yellow (0%)
- Blue (85%)



- Cyan (22%)
- Magenta (100%)
- Yellow (0%)
- Black (15%)





- Cyan (33%)
- Magenta (100%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 29.1019, 13.5558, 66.7283 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 29.1019, 13.5558, 66.7283 by changing the saturation by 10% instead.

 29.1019, 13.5558,
66.7283


 29.1019, 13.5558,
66.7283


289.6810,
214.4496, 467.4522


 19.3026, 7.8124,
48.4036


 57.6354, 32.2988,
116.1680


 11.9944, 3.9751,
33.7844


 77.1003, 46.0671,
148.1200


 6.8121, 1.6597,
22.4520


 100.5177, 63.2792,
185.4517

 3.3901, 0.3973,
13.9879

 128.2531, 84.3194,
228.5814

 1.3633, 0.0000,
7.9736

 160.6718,
109.5721, 277.9278

 0.2298, 0.0000,
3.9905

 198.1391,

 0.0000, 0.0000,

139.4218, 333.9094

1.6202

241.0203,
174.2529, 396.9446

■ 0.0000, 0.0000,
0.3051

■ 0.0000, 0.0000,
0.0000

■ 29.1019, 13.5558,
66.7283

■ 29.1019, 13.5558,
66.7283

■ 29.1019, 13.5558,
66.7285

■ 30.4183, 14.6522,
66.8708

■ 32.0869, 16.3994,
67.1201

■ 34.2129, 19.0062,
67.5112

■ 36.8547, 22.5893,
68.0636

■ 40.0618, 27.2469,
68.7935

■ 43.8775, 33.0649,
69.7154

■ 48.3405, 40.1206,
70.8421

■ 53.4865, 48.4846,
72.1853

■ 59.3483, 58.2222,
73.7559

Harmonies

Analogous

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



19.0660, 13.5558, 110.4620



29.1019, 13.5558, 66.7283



35.4269, 13.5558, 23.9986

Triad

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



29.1019, 13.5558, 66.7283



15.7997, 13.5558, 0.0000



3.0350, 13.5558, 36.2235

Complementary

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



29.1019, 13.5558, 66.7283



25.9858, 50.2305, 8.3262

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.



2.7698, 13.5558, 8.2611



29.1019, 13.5558, 66.7283



8.2082, 13.5558, 0.0000

Square

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



29.1019, 13.5558, 66.7283



25.8600, 13.5558, 0.0000



4.1949, 13.5558, 0.5601



5.1914, 13.5558, 83.2624

Rectangle

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



29.1019, 13.5558, 66.7283



35.4180, 13.5558, 8.2113



4.1949, 13.5558, 0.5601



2.7714, 13.5558, 24.1004

Sweetspot

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



29.1026, 13.5563, 66.7286



69.4747, 57.5119, 102.0469



13.5421, 7.0450, 66.2919



14.2620, 11.3405, 21.6872



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.



29.1026, 13.5563, 66.7286



41.8077, 19.4675, 96.1618



34.5757, 17.1361, 32.7252



13.3240, 13.1252, 16.4833



17.7094, 8.2537, 40.3981



1.2173, 0.5708, 2.6205

Inverse Universe

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



29.1288, 14.9573, 4.0422



41.9351, 21.5381, 5.5906



25.6687, 49.9682, 12.7766



13.1709, 13.0975, 14.1612



17.6649, 9.0670, 2.6156



1.1767, 0.6003, 0.3393

Previews

White Background



This preview shows how the XYZ color 29.1019, 13.5558, 66.7283 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 29.1019, 13.5558, 66.7283 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 29.1019, 13.5558, 66.7283

Background



This preview shows how black text looks on a background with the XYZ color 29.1019, 13.5558, 66.7283.



This preview shows how white text looks on a background with the XYZ color 29.1019, 13.5558,

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

29.1019, 13.5558, 66.7283

Protanopia

16.6639, 14.1115, 64.7963

Deuteranopia

14.2273, 14.1032, 48.9860



Tritanopia

18.0857, 13.9277, 11.6326

Trichromacy



Original Color

29.1019, 13.5558, 66.7283



Protanomaly

15.9576, 9.5460, 64.6198



Deuteranomaly

14.2468, 9.2356, 54.4578



Tritanomaly

20.1326, 11.8154, 24.8864

Monochromacy



Original Color

29.1019, 13.5558, 66.7283



Achromatopsia

6.8694, 7.2272, 7.8704



Achromatomaly

11.3181, 6.9612, 20.8258

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.1019, 13.5558, 66.7283 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, 217)` looks like.

```
.text, #text, p{  
    color:rgb(170, 0, 217)  
}
```

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, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 0, 217) }
```

Border

The CSS property to change the border of an element to XYZ 29.1019, 13.5558, 66.7283 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, 217) }
```


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

```
.border{ border-color:rgb(170, 0, 217) }
```

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, 217) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 0, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 0, 217);  
box-shadow:4px 4px 4px 4px rgb(170, 0,  
217) }
```

Background

The CSS property to change the background color of an element to XYZ 29.1019, 13.5558, 66.7283 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, 217) }
```

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

```
.background{ background-color: rgb(170, 0,  
217) }
```

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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