

Converting Colors

XYZ(30.0002, 19.5900, 66.5486)

Have a look what the booklet for
XYZ(30.0002, 19.5900, 66.5486)
contains.

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Color

**XYZ(29.9115, 19.5566,
66.4883)**

Conversions

Conversions Part 1

Format	Color
Hex	9D5BD7
RGB	157, 91, 215
RGB Percent	62%, 36%, 84%
CMY	0.3843, 0.6431, 0.1569
CMYK	0.27, 0.58, 0.00, 0.16
HSL	272°, 61%, 60%
HSV	272°, 58%, 84%
XYZ	29.9115, 19.5566, 66.4883
YIQ	124.8700, -0.4680, 52.5560

Conversions

Conversions Part 2

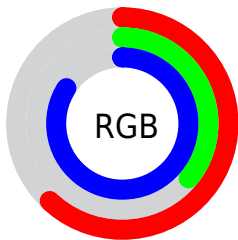
Format	Color
RYB	157, 91, 215
Decimal	10312663
CIELab	51.33, 49.87, -53.59
CIElCh	51, 73.205, 312.943
Yxy	19.5566, 0.2580, 0.1687
Android (android.graphics.Color)	4288502743 (0xFF9D5BD7)
YUV	124.8700, 44.4341, 28.1780
Hunter-Lab	44.2228, 43.3441, -58.1855

Details

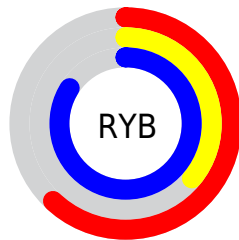
The XYZ color **29.9115, 19.5566, 66.4883** is a light color, and the websafe version is hex **9966CC**. The color can be described as light muted purple. A complement of this color would be **38.5835, 55.7461, 18.6246**, and the grayscale version is **19.3057, 20.3111, 22.1187**.

A 20% lighter version of the original color is **55.7548, 41.4627, 99.6722**, and **12.3836, 6.7875, 33.4583** is the 20% darker color. If you saturate the color by 10%, you get **26.4480, 15.4228, 65.8733**, and if you desaturate by 10%, it is **34.0645, 24.8279, 67.2872**.

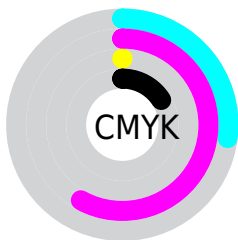
Distribution



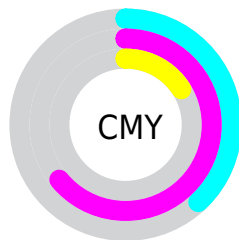
- Red (62%)
- Green (36%)
- Blue (84%)



- Red (62%)
- Yellow (36%)
- Blue (84%)



- Cyan (27%)
- Magenta (58%)
- Yellow (0%)
- Black (16%)



- Cyan (38%)
- Magenta (64%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.9115, 19.5566, 66.4883 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 29.9115, 19.5566, 66.4883 by changing the saturation by 10% instead.

■ 29.9115, 19.5566,
66.4883

■ 29.9115, 19.5566,
66.4883

293.4090,
249.5045, 466.5730

■ 19.9192, 12.0731,
48.2099

■ 58.9098, 42.6725,
115.8206

■ 12.4442, 6.7935,
33.6320

■ 78.6464, 59.0738,
147.7115

■ 7.1213, 3.3333,
22.3360

■ 102.3619, 79.2165,
184.9771

■ 3.5851, 1.3081,
13.9033

■ 130.4216,
103.4849, 228.0358

■ 1.4702, 0.1475,
7.9154

163.1907,
132.2636, 277.3062

■ 0.3054, 0.0000,
3.9539

201.0348,

■ 0.0000, 0.0000,

165.9368, 333.2069

1.6001

244.3191,
204.8890, 396.1563

■ 0.0000, 0.0000,
0.2909

■ 0.0000, 0.0000,
0.0000

■ 29.9115, 19.5566,
66.4883

■ 29.9115, 19.5566,
66.4883

■ 26.4480, 15.4228,
65.8733

■ 34.0645, 24.8279,
67.2872

■ 23.6214, 12.3295,
65.4252

■ 38.9491, 31.3180,
68.2825


■ 21.3742, 10.1669,
65.1262


■ 44.6066, 39.1032,
69.4870


■ 19.6264, 8.7815,
64.9509


■ 51.0742, 48.2528,
70.9122


 19.2624, 8.5132,
64.9183

 58.3866, 58.8312,
72.5686

 66.5764, 70.8982,
74.4661

 75.6740, 84.5106,
76.6141

 83.1023, 94.5089,
78.1525

 86.5634, 96.2932,
78.3144

Harmonies

Analogous

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



21.9198, 19.5566, 89.6231



29.9115, 19.5566, 66.4883



35.5381, 19.5566, 35.4296

Triad

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



29.9115, 19.5566, 66.4883



23.0264, 19.5566, 1.3339



7.9735, 19.5566, 31.6511

Complementary

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



29.9115, 19.5566, 66.4883



38.5835, 55.7461, 18.6246

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.



8.1230, 19.5566, 11.5289



29.9115, 19.5566, 66.4883



15.6121, 19.5566, 1.2193

Square

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



29.9115, 19.5566, 66.4883



30.9025, 19.5566, 3.9517



10.5578, 19.5566, 3.3232



10.0757, 19.5566, 62.2157

Rectangle

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



29.9115, 19.5566, 66.4883



36.4706, 19.5566, 19.2916



10.5578, 19.5566, 3.3232



7.7823, 19.5566, 23.4300

Sweetspot

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



29.9123, 19.5573, 66.4888



75.6759, 71.7474, 104.4678



27.6366, 29.2429, 68.4782



15.7606, 14.7319, 22.2628



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.



29.9123, 19.5573, 66.4888



38.0175, 21.6696, 96.7866



43.7677, 26.7305, 65.7595



12.3674, 12.3308, 15.6658



11.6447, 5.1556, 38.8345



0.7975, 0.3600, 2.3468

Inverse Universe

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



37.1907, 24.0997, 31.1255



50.5033, 29.4447, 36.9006



30.5941, 51.6170, 18.7226



12.6626, 12.5165, 14.1633



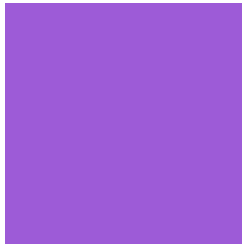
18.2066, 9.2190, 8.3922



1.1397, 0.5727, 0.7253

Previews

White Background



This preview shows how the XYZ color 29.9115, 19.5566, 66.4883 looks on a white background.

Color Contrast Check

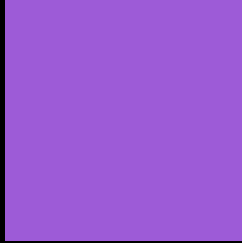
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 29.9115, 19.5566, 66.4883 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

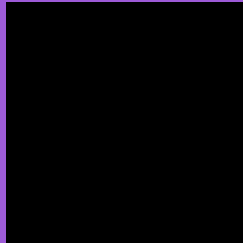
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 29.9115, 19.5566, 66.4883

Background



This preview shows how black text looks on a background with the XYZ color 29.9115, 19.5566, 66.4883.



This preview shows how white text looks on a background with the XYZ color 29.9115, 19.5566,

66.4883.

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

29.9115, 19.5566, 66.4883

Protanopia

23.6109, 19.9202, 87.3946

Deuteranopia

20.4563, 19.9300, 62.4432



Tritanopia

20.7533, 19.3794, 21.7156

Trichromacy



Original Color

29.9115, 19.5566, 66.4883



Protanomaly

23.7267, 18.4931, 79.4098



Deuteranomaly

22.2714, 18.7244, 64.0684



Tritanomaly

23.2725, 18.9454, 34.3285

Monochromacy



Original Color

29.9115, 19.5566, 66.4883



Achromatopsia

19.4927, 20.5079, 22.3331



Achromatomaly

22.3932, 19.5972, 34.9501

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.9115, 19.5566, 66.4883 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(157, 91, 215)` looks like.

```
.text, #text, p{  
    color:rgb(157, 91, 215)  
}
```

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(157, 91, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 91, 215) }
```

Border

The CSS property to change the border of an element to XYZ 29.9115, 19.5566, 66.4883 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(157, 91, 215) }
```


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

```
.border{ border-color:rgb(157, 91, 215) }
```

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

Here you see how a box with a 4 pixel `rgb(157, 91, 215)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 91, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 91, 215);  
box-shadow:4px 4px 4px 4px rgb(157, 91,  
215) }
```

Background

The CSS property to change the background color of an element to XYZ 29.9115, 19.5566, 66.4883 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 91, 215) }
```

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

```
.background{ background-color: rgb(157, 91,  
215) }
```

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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