

Converting Colors

XYZ(27.0534, 12.5415, 64.7472)

Have a look what the booklet for
XYZ(27.0534, 12.5415, 64.7472)
contains.

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Color

**XYZ(27.0379, 12.5364,
64.6130)**

Conversions

Conversions Part 1

Format	Color
Hex	A200D6
RGB	162, 0, 214
RGB Percent	64%, 0%, 84%
CMY	0.3647, 1.0000, 0.1608
CMYK	0.24, 1.00, 0.00, 0.16
HSL	285°, 100%, 42%
HSV	285°, 100%, 84%
XYZ	27.0379, 12.5364, 64.6130
YIQ	72.8340, 27.8580, 100.8980

Conversions

Conversions Part 2

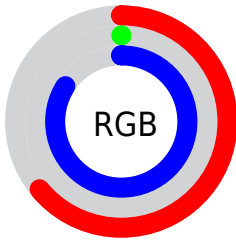
Format	Color
RYB	162, 0, 214
Decimal	10617046
CIELab	42.06, 78.60, -67.97
CIELCh	42, 103.909, 319.146
Yxy	12.5364, 0.2595, 0.1203
Android (android.graphics.Color)	4288807126 (0xFFA200D6)
YUV	72.8340, 69.5948, 78.1986
Hunter-Lab	35.4068, 74.3472, -83.4122

Details

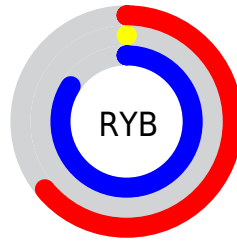
The XYZ color **27.0379, 12.5364, 64.6130** is a dark color, and the websafe version is hex **9900CC**. The color can be described as dark washed purple. A complement of this color would be **25.4631, 48.8235, 8.0820**, and the grayscale version is **6.1844, 6.5065, 7.0856**.

A 20% lighter version of the original color is **51.4227, 29.2466, 97.5426**, and **11.7651, 5.3522, 32.7607** is the 20% darker color. If you saturate the color by 10%, you get **27.0382, 12.5366, 64.6133**, and if you desaturate by 10%, it is **28.3925, 13.6440, 64.7556**.

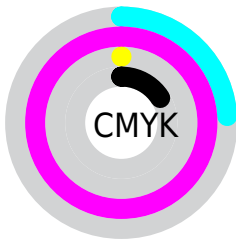
Distribution



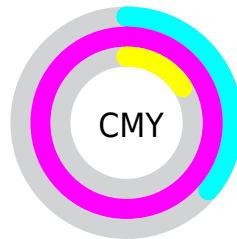
- Red (64%)
- Green (0%)
- Blue (84%)



- Red (64%)
- Yellow (0%)
- Blue (84%)



- Cyan (24%)
- Magenta (100%)
- Yellow (0%)
- Black (16%)





- Cyan (36%)
- Magenta (100%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.0379, 12.5364, 64.6130 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 27.0379, 12.5364, 64.6130 by changing the saturation by 10% instead.

 27.0379, 12.5364,
64.6130


 27.0379, 12.5364,
64.6130


280.0048,
207.9248, 459.6680


 17.7384, 7.1101,
46.6980


 54.3641, 30.4684,
113.1012


 10.8609, 3.5310,
32.4443


 73.1216, 43.7428,
144.5115


 6.0400, 1.4149,
21.4335


 95.7625, 60.4021,
181.2574

 2.9103, 0.2276,
13.2469

 122.6520, 80.8306,
223.7572

 1.1065, 0.0000,
7.4661

 154.1557,
105.4127, 272.4297

 0.0305, 0.0000,
3.6724

 190.6388,

 0.0000, 0.0000,

134.5328, 327.6933

1.4474

232.4667,
168.5754, 389.9666

■ 0.0000, 0.0000,
0.1783

■ 0.0000, 0.0000,
0.0000

■ 27.0379, 12.5364,
64.6130

■ 27.0379, 12.5364,
64.6130

■ 27.0382, 12.5366,
64.6133

■ 28.3925, 13.6440,
64.7556

■ 30.0962, 15.3851,
65.0019

■ 32.2517, 17.9632,
65.3859

■ 34.9156, 21.4910,
65.9265

■ 38.1356, 26.0635,
66.6393

■ 41.9539, 31.7638,
67.5383

■ 46.4080, 38.6666,
68.6360

■ 51.5325, 46.8402,
69.9435

■ 57.3593, 56.3478,
71.4716

Harmonies

Analogous

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



17.4768, 12.5364, 106.0636



27.0379, 12.5364, 64.6130



33.2461, 12.5364, 23.3214

Triad

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



27.0379, 12.5364, 64.6130



14.9347, 12.5364, 0.0000



2.6746, 12.5364, 32.8781

Complementary

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



27.0379, 12.5364, 64.6130



25.4631, 48.8235, 8.0820

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.



2.4746, 12.5364, 7.1081



27.0379, 12.5364, 64.6130



7.6801, 12.5364, 0.0000

Square

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



27.0379, 12.5364, 64.6130



24.5009, 12.5364, 0.0000



3.8454, 12.5364, 0.3174



4.6046, 12.5364, 77.6581

Rectangle

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



27.0379, 12.5364, 64.6130



33.3986, 12.5364, 7.9465



3.8454, 12.5364, 0.3174



2.4477, 12.5364, 21.5835

Sweetspot

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



27.0386, 12.5369, 64.6133



68.7989, 57.1635, 102.0153



13.4340, 7.4476, 64.3480



14.0993, 11.2566, 21.6796



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.



27.0386, 12.5369, 64.6133



40.0521, 18.5625, 96.0797



34.1209, 16.8520, 34.9427



12.6445, 12.4737, 15.6787



16.4407, 7.6280, 39.0590



1.0638, 0.4973, 2.3592

Inverse Universe

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



28.3516, 14.5443, 4.5623



42.1084, 21.6074, 6.5032



24.7010, 48.3550, 11.4610



12.5457, 12.4698, 13.5482



17.1712, 8.8048, 2.9397



1.0687, 0.5443, 0.3514

Previews

White Background



This preview shows how the XYZ color 27.0379, 12.5364, 64.6130 looks on a white background.

Color Contrast Check

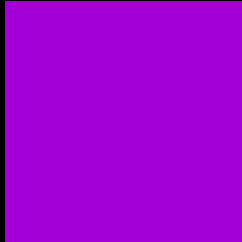
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.0379, 12.5364, 64.6130 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

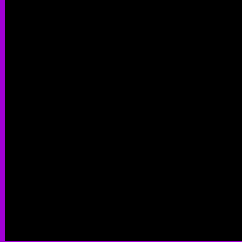
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 27.0379, 12.5364, 64.6130

Background



This preview shows how black text looks on a background with the XYZ color 27.0379, 12.5364, 64.6130.



This preview shows how white text looks on a background with the XYZ color 27.0379, 12.5364,

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

27.0379, 12.5364, 64.6130

Protanopia

15.5083, 13.1916, 60.1214

Tritanopia

16.3435, 12.9185, 11.3050

Trichromacy



Original Color

27.0379, 12.5364, 64.6130

Protanomaly

15.0349, 8.9785, 61.2622

Tritanomaly

18.2240, 10.7795, 24.0418

Monochromacy



Original Color

27.0379, 12.5364, 64.6130

Achromatopsia

6.3328, 6.6626, 7.2556

Achromatomaly

10.4408, 6.4125, 19.7562

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.0379, 12.5364, 64.6130 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(162, 0, 214)` looks like.

```
.text, #text, p{  
    color:rgb(162, 0, 214)  
}
```

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(162, 0, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(162, 0, 214) }
```

Border

The CSS property to change the border of an element to XYZ 27.0379, 12.5364, 64.6130 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(162, 0, 214) }
```

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

```
.border{ border-color:rgb(162, 0, 214) }
```

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

Here you see how a box with a 4 pixel rgb(162, 0, 214) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(162, 0, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(162, 0, 214);  
box-shadow:4px 4px 4px 4px rgb(162, 0,  
214) }
```


Background

The CSS property to change the background color of an element to XYZ 27.0379, 12.5364, 64.6130 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(162, 0, 214) }
```

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

```
.background{ background-color: rgb(162, 0,  
214) }
```

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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