

Converting Colors

XYZ(28.0964, 13.0792, 64.7960)

Have a look what the booklet for
XYZ(28.0964, 13.0792, 64.7960)
contains.

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Color

**XYZ(28.0739, 13.0705,
64.6615)**

Conversions

Conversions Part 1

Format	Color
Hex	A700D6
RGB	167, 0, 214
RGB Percent	65%, 0%, 84%
CMY	0.3451, 1.0000, 0.1608
CMYK	0.22, 1.00, 0.00, 0.16
HSL	287°, 100%, 42%
HSV	287°, 100%, 84%
XYZ	28.0739, 13.0705, 64.6615
YIQ	74.3290, 30.8380, 101.9580

Conversions

Conversions Part 2

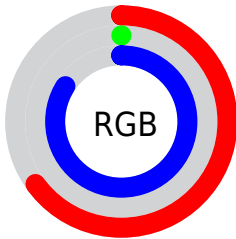
Format	Color
RYB	167, 0, 214
Decimal	10944726
CIELab	42.87, 79.24, -66.61
CIELCh	43, 103.516, 319.948
Yxy	13.0705, 0.2653, 0.1235
Android (android.graphics.Color)	4289134806 (0xFFA700D6)
YUV	74.3290, 68.8578, 81.2725
Hunter-Lab	36.1531, 75.3421, -80.7356

Details

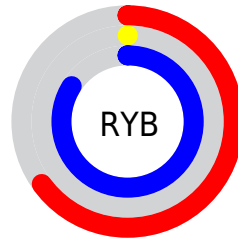
The XYZ color **28.0739, 13.0705, 64.6615** is a dark color, and the websafe version is hex **9900CC**. The color can be described as dark washed purple. A complement of this color would be **25.2193, 48.6978, 8.0707**, and the grayscale version is **6.4463, 6.7820, 7.3856**.

A 20% lighter version of the original color is **53.0563, 30.2065, 97.6418**, and **12.3559, 5.6568, 32.7884** is the 20% darker color. If you saturate the color by 10%, you get **28.0740, 13.0706, 64.6617**, and if you desaturate by 10%, it is **29.3614, 14.1436, 64.8010**.

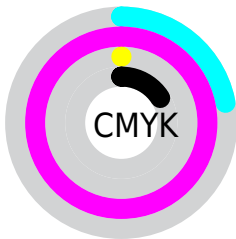
Distribution



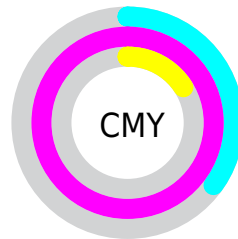
- Red (65%)
- Green (0%)
- Blue (84%)



- Red (65%)
- Yellow (0%)
- Blue (84%)



- Cyan (22%)
- Magenta (100%)
- Yellow (0%)
- Black (16%)





- Cyan (35%)
- Magenta (100%)
- Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 28.0739, 13.0705, 64.6615 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 28.0739, 13.0705, 64.6615 by changing the saturation by 10% instead.

 28.0739, 13.0705,
64.6615


 28.0739, 13.0705,
64.6615


284.8935,
211.3690, 459.8474


 18.5221, 7.4771,
46.7371


 56.0102, 31.4304,
113.1717


 11.4274, 3.7622,
32.4750


 75.1255, 44.9657,
144.5945


 6.4245, 1.5415,
21.4567


 98.1592, 61.9170,
181.3538

 3.1480, 0.3176,
13.2638

 125.4769, 82.6689,
223.8682

 1.2325, 0.0000,
7.4776

 157.4438,
107.6056, 272.5563

 0.1318, 0.0000,
3.6796

 194.4253,

 0.0000, 0.0000,

137.1116, 327.8364

1.4513

236.7868,
171.5713, 390.1273

■ 0.0000, 0.0000,
0.1812

■ 0.0000, 0.0000,
0.0000

■ 28.0739, 13.0705,
64.6615

■ 28.0739, 13.0705,
64.6615

■ 28.0740, 13.0706,
64.6617

■ 29.3614, 14.1436,
64.8010

■ 30.9902, 15.8461,
65.0438

■ 33.0629, 18.3817,
65.4239

■ 35.6361, 21.8629,
65.9603

■ 38.7573, 26.3845,
66.6685

■ 42.4684, 32.0296,
67.5625

■ 46.8070, 38.8731,
68.6548

■ 51.8075, 46.9829,
69.9566

■ 57.5016, 56.4222,
71.4785

Harmonies

Analogous

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



18.3658, 13.0705, 106.9418



28.0739, 13.0705, 64.6615



34.2126, 13.0705, 23.2646

Triad

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



28.0739, 13.0705, 64.6615



15.2702, 13.0705, 0.0000



2.9113, 13.0705, 34.8561

Complementary

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



28.0739, 13.0705, 64.6615



25.2193, 48.6978, 8.0707

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.



2.6608, 13.0705, 7.9042



28.0739, 13.0705, 64.6615



7.9244, 13.0705, 0.0000

Square

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



28.0739, 13.0705, 64.6615



24.9996, 13.0705, 0.0000



4.0409, 13.0705, 0.5105



4.9831, 13.0705, 80.3546

Rectangle

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



28.0739, 13.0705, 64.6615



34.2220, 13.0705, 7.9566



4.0409, 13.0705, 0.5105



2.6591, 13.0705, 23.1574

Sweetspot

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



28.0746, 13.0710, 64.6618



69.3967, 57.4717, 102.0433



13.2758, 7.1313, 64.2953



14.2432, 11.3308, 21.6863



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.



28.0746, 13.0710, 64.6618



41.6019, 19.3614, 96.1522



33.8121, 16.7285, 33.3166



12.6738, 12.4887, 15.6801



17.0609, 7.9477, 39.0880



1.0966, 0.5142, 2.3608

Inverse Universe

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



28.2450, 14.5017, 4.0006



41.9539, 21.5456, 5.6895



24.7871, 48.3895, 11.9143



12.5338, 12.4650, 13.4853



17.1041, 8.7780, 2.5865



1.0632, 0.5421, 0.3220

Previews

White Background



This preview shows how the XYZ color 28.0739, 13.0705, 64.6615 looks on a white background.

Color Contrast Check

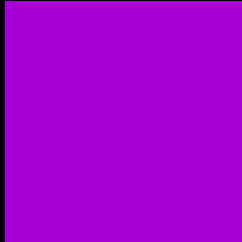
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.0739, 13.0705, 64.6615 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

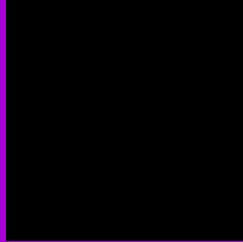
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 28.0739, 13.0705, 64.6615

Background



This preview shows how black text looks on a background with the XYZ color 28.0739, 13.0705, 64.6615.



This preview shows how white text looks on a background with the XYZ color 28.0739, 13.0705,

64.6615.

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

28.0739, 13.0705, 64.6615

Protanopia

16.1900, 13.7675, 62.7769

Deuteranopia

13.7033, 13.5638, 47.2432



Tritanopia

17.4102, 13.4684, 11.3549

Trichromacy



Original Color

28.0739, 13.0705, 64.6615



Protanomaly

15.5157, 9.3620, 62.6173



Deuteranomaly

13.7819, 8.9465, 52.6302



Tritanomaly

19.3566, 11.3634, 24.0948

Monochromacy



Original Color

28.0739, 13.0705, 64.6615



Achromatopsia

6.5089, 6.8478, 7.4573



Achromatomaly

10.9025, 6.7018, 20.1210

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.0739, 13.0705, 64.6615 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(167, 0, 214)` looks like.

```
.text, #text, p{  
    color:rgb(167, 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(167, 0, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 0, 214) }
```

Border

The CSS property to change the border of an element to XYZ 28.0739, 13.0705, 64.6615 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(167, 0, 214) }
```


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

```
.border{ border-color:rgb(167, 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(167, 0, 214) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 0, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 0, 214);  
box-shadow:4px 4px 4px 4px rgb(167, 0,  
214) }
```

Background

The CSS property to change the background color of an element to XYZ 28.0739, 13.0705, 64.6615 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 0, 214) }
```

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

```
.background{ background-color: rgb(167, 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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