

Converting Colors

XYZ(28.3565, 13.5288, 50.5513)

Have a look what the booklet for
XYZ(28.3565, 13.5288, 50.5513)
contains.

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Color

**XYZ(28.2264, 13.4649,
50.4015)**

Conversions

Conversions Part 1

Format	Color
Hex	B400BF
RGB	180, 0, 191
RGB Percent	71%, 0%, 75%
CMY	0.2941, 0.9999, 0.2510
CMYK	0.06, 1.00, 0.00, 0.25
HSL	297°, 100%, 37%
HSV	297°, 100%, 75%
XYZ	28.2264, 13.4649, 50.4015
YIQ	75.5940, 45.9690, 97.5610

Conversions

Conversions Part 2

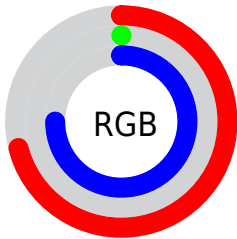
Format	Color
RYB	180, 0, 191
Decimal	11796671
CIELab	43.46, 77.31, -52.20
CIELCh	43, 93.287, 325.972
Yxy	13.4649, 0.3065, 0.1462
Android (android.graphics.Color)	4289986751 (0xFFB400BF)
YUV	75.5940, 56.8952, 91.5641
Hunter-Lab	36.6946, 73.0914, -55.7511

Details

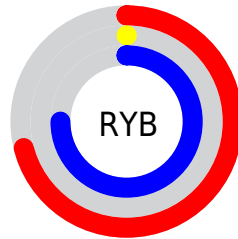
The XYZ color **28.2264, 13.4649, 50.4015** is a dark color, and the websafe version is hex **CC00CC**. A complement of this color would be **18.7692, 37.3331, 6.2173**, and the grayscale version is **6.6916, 7.0401, 7.6667**.

A 20% lighter version of the original color is **56.2867, 32.1190, 92.0399**, and **12.5414, 5.9437, 24.1532** is the 20% darker color. If you saturate the color by 10%, you get **28.2265, 13.4650, 50.4017**, and if you desaturate by 10%, it is **28.7188, 14.0674, 50.4920**.

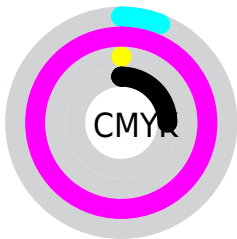
Distribution



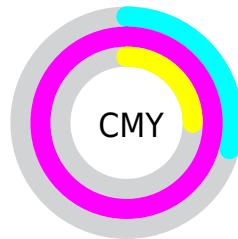
- Red (71%)
- Green (0%)
- Blue (75%)



- Red (71%)
- Yellow (0%)
- Blue (75%)



- Cyan (6%)
- Magenta (100%)
- Yellow (0%)
- Black (25%)





- Cyan (29%)
- Magenta (100%)
- Yellow (25%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 28.2264, 13.4649, 50.4015 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 28.2264, 13.4649, 50.4015 by changing the saturation by 10% instead.


 28.2264, 13.4649,
50.4015

 28.2264, 13.4649,
50.4015


285.6077,
213.8760, 405.0139


 18.6377, 7.7495,
35.3591


 56.2518, 32.1365,
92.1719


 11.5112, 3.9350,
23.6539


 75.4193, 45.8615,
119.7370

 6.4816, 1.6373,
14.8672


 98.5103, 63.0250,
152.3134

 3.1835, 0.3826,
8.5807

 125.8904, 84.0116,
190.3196

 1.2515, 0.0000,
4.3756

 157.9248,
109.2056, 234.1743

 0.1465, 0.0000,
1.8336

 194.9789,

 0.0000, 0.0000,

138.9914, 284.2958

0.4500

237.4181,
173.7534, 341.1029

■ 0.0000, 0.0000,
0.0000

■ 28.2264, 13.4649,
50.4015

■ 28.2264, 13.4649,
50.4015

■ 28.2265, 13.4650,
50.4017

■ 28.7188, 14.0674,
50.4920

■ 29.4432, 15.1315,
50.6592

■ 30.4832, 16.8238,
50.9311

■ 31.8809, 19.2284,
51.3215

■ 33.6719, 22.4166,
51.8425

■ 35.8875, 26.4509,
52.5045

■ 38.5558, 31.3876,
53.3167

■ 41.7026, 37.2782,
54.2879

■ 45.3517, 44.1702,
55.4258

Harmonies

Analogous

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



19.9461, 13.4649, 88.1114



28.2264, 13.4649, 50.4015



32.4143, 13.4649, 17.6558

Triad

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



28.2264, 13.4649, 50.4015



13.8049, 13.4649, 0.0000



3.8968, 13.4649, 40.1037

Complementary

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



28.2264, 13.4649, 50.4015



18.7692, 37.3331, 6.2173

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.



3.3062, 13.4649, 12.0255



28.2264, 13.4649, 50.4015



7.6013, 13.4649, 0.0000

Square

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



28.2264, 13.4649, 50.4015



22.3200, 13.4649, 0.0000



4.3582, 13.4649, 1.7328



6.4621, 13.4649, 79.1412

Rectangle

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



28.2264, 13.4649, 50.4015



31.4850, 13.4649, 6.1748



4.3582, 13.4649, 1.7328



3.5153, 13.4649, 28.6633

Sweetspot

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



28.2270, 13.4655, 50.4018



68.8025, 55.7481, 95.4133



9.5450, 4.0432, 49.5677



14.6418, 11.3759, 20.8094



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



28.2270, 13.4655, 50.4018



50.4812, 24.0784, 90.2661



24.2058, 12.1647, 15.3271



9.8742, 9.6675, 12.0178



18.5737, 8.8612, 33.1243



0.7442, 0.3557, 1.2983

Inverse Universe

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



21.5466, 11.1010, 1.3242



38.5623, 19.8702, 2.2271



20.1839, 37.8830, 14.3870



9.5518, 9.5450, 10.0291



14.1701, 7.2992, 0.9235



0.5628, 0.2890, 0.0767

Previews

White Background



This preview shows how the XYZ color 28.2264, 13.4649, 50.4015 looks on a white background.

Color Contrast Check

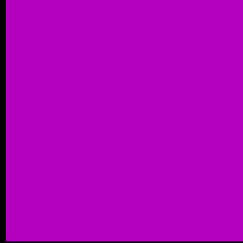
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.2264, 13.4649, 50.4015 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 28.2264, 13.4649, 50.4015

Background



This preview shows how black text looks on a background with the XYZ color 28.2264, 13.4649, 50.4015.



This preview shows how white text looks on a background with the XYZ color 28.2264, 13.4649,

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

28.2264, 13.4649, 50.4015

Protanopia

16.7913, 14.1624, 65.4669

Deuteranopia

14.6112, 14.2317, 45.1569



Tritanopia

19.9004, 13.8268, 9.2094

Trichromacy



Original Color

28.2264, 13.4649, 50.4015



Protanomaly

15.1539, 9.2468, 59.3786



Deuteranomaly

15.4828, 9.9618, 46.4542



Tritanomaly

21.4604, 12.2406, 19.0009

Monochromacy



Original Color

28.2264, 13.4649, 50.4015



Achromatopsia

6.8694, 7.2272, 7.8704



Achromatomaly

11.2664, 6.9993, 17.8967

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.2264, 13.4649, 50.4015 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(180, 0, 191)` looks like.

```
.text, #text, p{  
    color:rgb(180, 0, 191)  
}
```

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(180, 0, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 0, 191) }
```

Border

The CSS property to change the border of an element to XYZ 28.2264, 13.4649, 50.4015 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(180, 0, 191) }
```


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

```
.border{ border-color:rgb(180, 0, 191) }
```

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

Here you see how a box with a 4 pixel rgb(180, 0, 191) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 0, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 0, 191);  
box-shadow:4px 4px 4px 4px rgb(180, 0,  
191) }
```

Background

The CSS property to change the background color of an element to XYZ 28.2264, 13.4649, 50.4015 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 0, 191) }
```

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

```
.background{ background-color: rgb(180, 0,  
191) }
```

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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