

Converting Colors

XYZ(29.5314, 14.7108, 24.5675)

Have a look what the booklet for
XYZ(29.5314, 14.7108, 24.5675)
contains.

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Color

**XYZ(29.6208, 14.7567,
24.5797)**

Conversions

Conversions Part 1

Format	Color
Hex	CD0088
RGB	205, 0, 136
RGB Percent	80%, 0%, 53%
CMY	0.1961, 0.9999, 0.4667
CMYK	0.00, 1.00, 0.34, 0.20
HSL	320°, 100%, 40%
HSV	320°, 100%, 80%
XYZ	29.6208, 14.7567, 24.5797
YIQ	76.7990, 78.5240, 85.7560

Conversions

Conversions Part 2

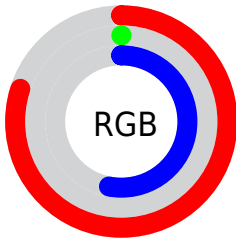
Format	Color
R_{YB}	205, 0, 136
Decimal	13435016
CIE _{Lab}	45.30, 74.77, -16.09
CIE _{LCh}	45, 76.483, 347.856
Yxy	14.7567, 0.4296, 0.2140
Android (android.graphics.Color)	4291625096 (0xFFCD0088)
YUV	76.7990, 29.1861, 112.4323
Hunter-Lab	38.4145, 70.4134, -11.0469

Details

The XYZ color **29.6208, 14.7567, 24.5797** is a dark color, and the websafe version is hex **CC3399**. The color can be described as dark washed rose. A complement of this color would be **22.9071, 44.0931, 12.9395**, and the grayscale version is **6.9579, 7.3202, 7.9717**.

A 20% lighter version of the original color is **53.9977, 32.0789, 51.4900**, and **13.3568, 6.6916, 9.3917** is the 20% darker color. If you saturate the color by 10%, you get **29.6200, 14.7564, 24.5753**, and if you desaturate by 10%, it is **30.3871, 15.4788, 27.3336**.

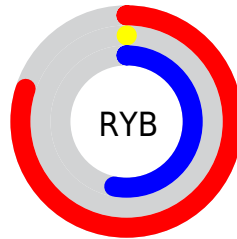
Distribution



Red (80%)

Green (0%)

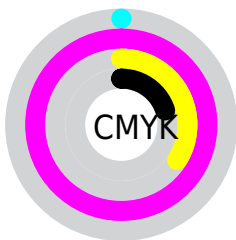
Blue (53%)



Red (80%)

Yellow (0%)

Blue (53%)

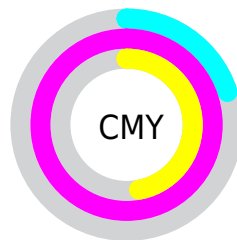


Cyan (0%)

Magenta (100%)

Yellow (34%)

Black (20%)



Cyan (20%)


Magenta (100%)


Yellow (47%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.6208, 14.7567, 24.5797 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 29.6208, 14.7567, 24.5797 by changing the saturation by 10% instead.


 29.6208, 14.7567,
24.5797


 29.6208, 14.7567,
24.5797


292.0745,
221.8888, 289.1187


 19.6976, 8.6488,
15.5480


 58.4527, 34.4258,
51.9302

 12.2824, 4.5128,
9.0540


 78.0922, 48.7558,
71.0861


 7.0099, 1.9644,
4.6791


 101.7010, 66.5953,
94.4538

 3.5147, 0.5866,
2.0048

 129.6447, 88.3286,
122.4519

 1.4314, 0.0000,
0.5583

 162.2885,
114.3403, 155.4989

 0.2784, 0.0000,
0.0000

 199.9979,

 0.0000, 0.0000,

145.0146, 194.0133

0.0000

243.1381,
180.7360, 238.4137

■ 29.6208, 14.7567,
24.5797

■ 29.6208, 14.7567,
24.5797

■ 29.6200, 14.7564,
24.5753

■ 30.3871, 15.4788,
27.3336

■ 31.4602, 16.7632,
30.3484

■ 32.9349, 18.7984,
33.6585

■ 34.8621, 21.6852,
37.2835

■ 37.2848, 25.5091,
41.2404

■ 40.2408, 30.3446,
45.5444

■ 43.7641, 36.2590,
50.2093

■ 47.8859, 43.3138,
55.2479

■ 52.6348, 51.5656,
60.6723

Harmonies

Analogous

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



25.1338, 14.7567, 52.6789



29.6208, 14.7567, 24.5797



29.1067, 14.7567, 7.5695

Triad

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



29.6208, 14.7567, 24.5797



10.6128, 14.7567, 0.3707



7.3377, 14.7567, 58.2917

Complementary

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



29.6208, 14.7567, 24.5797



22.9071, 44.0931, 12.9395

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.



5.3334, 14.7567, 29.3123



29.6208, 14.7567, 24.5797



6.7944, 14.7567, 2.1873

Square

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



29.6208, 14.7567, 24.5797



16.7473, 14.7567, 0.2328



5.1702, 14.7567, 9.7897



11.6163, 14.7567, 79.9855

Rectangle

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



29.6208, 14.7567, 24.5797



26.0080, 14.7567, 2.7602



5.1702, 14.7567, 9.7897



6.4395, 14.7567, 48.3883

Sweetspot

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



29.6213, 14.7575, 24.5799



71.4374, 58.9711, 81.9269



13.4287, 5.6504, 58.1406



14.7416, 11.6959, 16.8238



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.



29.6213, 14.7575, 24.5799



48.4161, 24.1304, 39.7188



25.4689, 13.0966, 2.7138



11.5208, 11.3370, 13.2770



18.4853, 9.2047, 15.5404



0.9881, 0.4886, 0.9832

Inverse Universe

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



29.6213, 14.7575, 24.5799



48.4161, 24.1304, 39.7188



29.1672, 46.5972, 45.9048



11.5208, 11.3370, 13.2770



18.4853, 9.2047, 15.5404



0.9881, 0.4886, 0.9832

Previews

White Background



This preview shows how the XYZ color 29.6208, 14.7567, 24.5797 looks on a white background.

Color Contrast Check

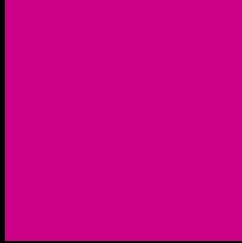
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.6208, 14.7567, 24.5797 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

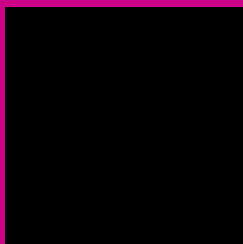
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 29.6208, 14.7567, 24.5797

Background



This preview shows how black text looks on a background with the XYZ color 29.6208, 14.7567, 24.5797.



This preview shows how white text looks on a background with the XYZ color 29.6208, 14.7567,

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

29.6208, 14.7567, 24.5797

Protanopia

17.3792, 15.6394, 53.1417

Deuteranopia

15.7706, 15.4924, 22.2378



Tritanopia

25.8524, 15.2032, 5.3133

Trichromacy



Original Color

29.6208, 14.7567, 24.5797



Protanomaly

17.0812, 11.0029, 40.7587



Deuteranomaly

17.9504, 11.8569, 22.4616



Tritanomaly

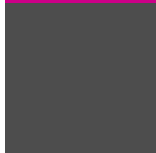
26.5688, 14.3565, 9.9651

Monochromacy



Original Color

29.6208, 14.7567, 24.5797



Achromatopsia

7.0540, 7.4214, 8.0819



Achromatomaly

11.6151, 7.3636, 12.3644

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.6208, 14.7567, 24.5797 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(205, 0, 136)` looks like.

```
.text, #text, p{  
    color:rgb(205, 0, 136)  
}
```

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(205, 0, 136) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 0, 136) }
```

Border

The CSS property to change the border of an element to XYZ 29.6208, 14.7567, 24.5797 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(205, 0, 136) }
```


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

```
.border{ border-color:rgb(205, 0, 136) }
```

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

Here you see how a box with a 4 pixel `rgb(205, 0, 136)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(205, 0, 136); -webkit-box-  
shadow:4px 4px 4px 4px rgb(205, 0, 136);  
box-shadow:4px 4px 4px 4px rgb(205, 0,  
136) }
```

Background

The CSS property to change the background color of an element to XYZ 29.6208, 14.7567, 24.5797 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 0, 136) }
```

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

```
.background{ background-color: rgb(205, 0,  
136) }
```

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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