

Converting Colors

XYZ(29.3081, 14.5999, 24.3684)

Have a look what the booklet for
XYZ(29.3081, 14.5999, 24.3684)
contains.

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Color

**XYZ(29.2750, 14.5866,
24.1942)**

Conversions

Conversions Part 1

Format	Color
Hex	CC0087
RGB	204, 0, 135
RGB Percent	80%, 0%, 53%
CMY	0.2000, 0.9999, 0.4706
CMYK	0.00, 1.00, 0.34, 0.20
HSL	320°, 100%, 40%
HSV	320°, 100%, 80%
XYZ	29.2750, 14.5866, 24.1942
YIQ	76.3860, 78.2490, 85.2330

Conversions

Conversions Part 2

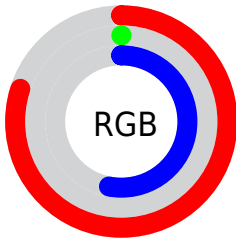
Format	Color
RYB	204, 0, 135
Decimal	13369479
CIELab	45.06, 74.47, -15.86
CIElCh	45, 76.136, 347.979
Yxy	14.5866, 0.4302, 0.2143
Android (android.graphics.Color)	4291559559 (0xFFCC0087)
YUV	76.3860, 28.8967, 111.9175
Hunter-Lab	38.1924, 69.9860, -10.8245

Details

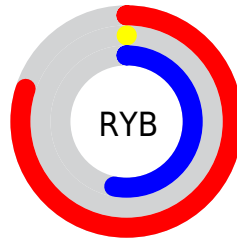
The XYZ color **29.2750, 14.5866, 24.1942** is a dark color, and the websafe version is hex **CC3399**. The color can be described as dark washed rose. A complement of this color would be **22.6686, 43.6161, 12.8599**, and the grayscale version is **6.8824, 7.2408, 7.8852**.

A 20% lighter version of the original color is **53.8895, 32.0356, 50.9202**, and **13.1413, 6.5852, 9.1728** is the 20% darker color. If you saturate the color by 10%, you get **29.2742, 14.5863, 24.1899**, and if you desaturate by 10%, it is **30.0349, 15.3032, 26.9232**.

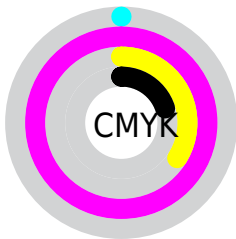
Distribution



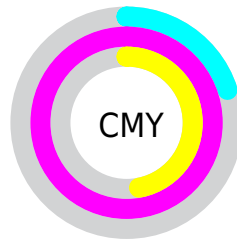
- Red (80%)
- Green (0%)
- Blue (53%)



- 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 29.2750, 14.5866, 24.1942 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 29.2750, 14.5866, 24.1942 by changing the saturation by 10% instead.

 29.2750, 14.5866,
24.1942


 29.2750, 14.5866,
24.1942


290.4811,
220.8502, 287.1189


 19.4343, 8.5298,
15.2642


 57.9083, 34.1263,
51.2947


 12.0904, 4.4358,
8.8563


 77.4315, 48.3780,
70.3023


 6.8779, 1.9202,
4.5521


 100.9130, 66.1300,
93.5062

 3.4315, 0.5605,
1.9328

 128.7180, 87.7669,
121.3250

 1.3858, 0.0000,
0.5135

 161.2120,
113.6729, 154.1770

 0.2461, 0.0000,
0.0000

 198.7603,

 0.0000, 0.0000,

144.2326, 192.4810

0.0000

241.7282,
179.8302, 236.6555

■ 29.2750, 14.5866,
24.1942

■ 29.2750, 14.5866,
24.1942

■ 29.2742, 14.5863,
24.1899

■ 30.0349, 15.3032,
26.9232

■ 31.0982, 16.5755,
29.9115

■ 32.5589, 18.5903,
33.1934

■ 34.4672, 21.4472,
36.7881

■ 36.8657, 25.2306,
40.7127

■ 39.7918, 30.0142,
44.9819

■ 43.2790, 35.8645,
49.6097

■ 47.3580, 42.8421,
54.6087

■ 52.0574, 51.0032,
59.9907

Harmonies

Analogous

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



24.8605, 14.5866, 51.9162



29.2750, 14.5866, 24.1942



28.7456, 14.5866, 7.4442

Triad

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



29.2750, 14.5866, 24.1942



10.4722, 14.5866, 0.3688



7.2691, 14.5866, 57.6953

Complementary

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



29.2750, 14.5866, 24.1942



22.6686, 43.6161, 12.8599

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.



5.2801, 14.5866, 29.0685



29.2750, 14.5866, 24.1942



6.7092, 14.5866, 2.1808

Square

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



29.2750, 14.5866, 24.1942



16.5240, 14.5866, 0.2257



5.1119, 14.5866, 9.7324



11.5062, 14.5866, 79.0414

Rectangle

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



29.2750, 14.5866, 24.1942



25.6745, 14.5866, 2.7149



5.1119, 14.5866, 9.7324



6.3785, 14.5866, 47.9217

Sweetspot

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



29.2754, 14.5874, 24.1944



71.4198, 58.9640, 81.8341



13.2850, 5.5902, 57.5056



14.7374, 11.6942, 16.8016



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.



29.2754, 14.5874, 24.1944



48.3766, 24.1146, 39.5109



25.1914, 12.9538, 2.6882



11.5200, 11.3367, 13.2728



18.4705, 9.1988, 15.4622



0.9874, 0.4884, 0.9796

Inverse Universe

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



29.2754, 14.5874, 24.1944



48.3766, 24.1146, 39.5109



28.8496, 46.0885, 45.4086



11.5200, 11.3367, 13.2728



18.4705, 9.1988, 15.4622



0.9874, 0.4884, 0.9796

Previews

White Background



This preview shows how the XYZ color 29.2750, 14.5866, 24.1942 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 29.2750, 14.5866, 24.1942 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

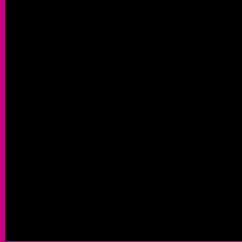
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 29.2750, 14.5866, 24.1942

Background



This preview shows how black text looks on a background with the XYZ color 29.2750, 14.5866, 24.1942.



This preview shows how white text looks on a background with the XYZ color 29.2750, 14.5866,

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

29.2750, 14.5866, 24.1942

Protanopia

17.1636, 15.3873, 52.5175

Deuteranopia

15.4755, 15.1939, 21.8557



Tritanopia

25.5159, 14.9642, 5.1580

Trichromacy



Original Color

29.2750, 14.5866, 24.1942



Protanomaly

16.7897, 10.7748, 40.2246



Deuteranomaly

17.6467, 11.6190, 22.0815



Tritanomaly

26.2597, 14.2017, 9.7447

Monochromacy



Original Color

29.2750, 14.5866, 24.1942



Achromatopsia

6.8694, 7.2272, 7.8704



Achromatomaly

11.3830, 7.1879, 12.0967

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.2750, 14.5866, 24.1942 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(204, 0, 135)` looks like.

```
.text, #text, p{  
    color:rgb(204, 0, 135)  
}
```

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(204, 0, 135) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 0, 135) }
```

Border

The CSS property to change the border of an element to XYZ 29.2750, 14.5866, 24.1942 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(204, 0, 135) }
```


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

```
.border{ border-color:rgb(204, 0, 135) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 0, 135)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 0, 135); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 0, 135);  
box-shadow:4px 4px 4px 4px rgb(204, 0,  
135) }
```

Background

The CSS property to change the background color of an element to XYZ 29.2750, 14.5866, 24.1942 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 0, 135) }
```

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

```
.background{ background-color: rgb(204, 0,  
135) }
```

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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