

Converting Colors

XYZ(29.4600, 14.7420, 21.4902)

Have a look what the booklet for
XYZ(29.4600, 14.7420, 21.4902)
contains.

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Color

**XYZ(29.5629, 14.7977,
21.3768)**

Conversions

Conversions Part 1

Format	Color
Hex	CF007F
RGB	207, 0, 127
RGB Percent	81%, 0%, 50%
CMY	0.1882, 0.9998, 0.5020
CMYK	0.00, 1.00, 0.39, 0.19
HSL	323°, 100%, 41%
HSV	323°, 100%, 81%
XYZ	29.5629, 14.7977, 21.3768
YIQ	76.3710, 82.6050, 83.3810

Conversions

Conversions Part 2

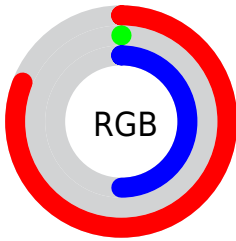
Format	Color
RYB	207, 0, 127
Decimal	13566079
CIELab	45.36, 74.31, -10.45
CIElCh	45, 75.038, 351.991
Yxy	14.7977, 0.4497, 0.2251
Android (android.graphics.Color)	4291756159 (0xFFCF007F)
YUV	76.3710, 24.9601, 114.5616
Hunter-Lab	38.4678, 69.8605, -6.0204

Details

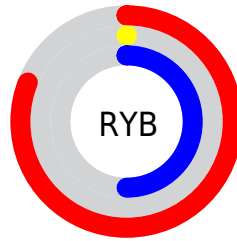
The XYZ color **29.5629, 14.7977, 21.3768** is a dark color, and the websafe version is hex **CC3399**. The color can be described as dark washed rose. A complement of this color would be **23.7627, 45.2056, 15.0700**, and the grayscale version is **6.8864, 7.2451, 7.8899**.

A 20% lighter version of the original color is **53.0506, 31.7000, 46.5027**, and **13.4078, 6.7531, 7.8045** is the 20% darker color. If you saturate the color by 10%, you get **29.5619, 14.7973, 21.3718**, and if you desaturate by 10%, it is **30.3688, 15.5415, 24.3215**.

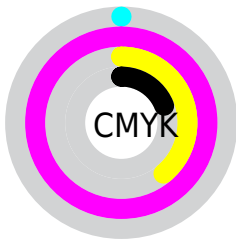
Distribution



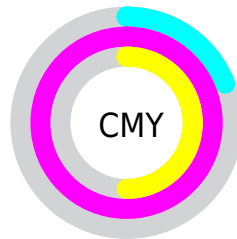
- Red (81%)
- Green (0%)
- Blue (50%)



- Red (81%)
- Yellow (0%)
- Blue (50%)



- Cyan (0%)
- Magenta (100%)
- Yellow (39%)
- Black (19%)





- Cyan (19%)
- Magenta (100%)
- Yellow (50%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 29.5629, 14.7977, 21.3768 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 29.5629, 14.7977, 21.3768 by changing the saturation by 10% instead.

 29.5629, 14.7977,
21.3768


 29.5629, 14.7977,
21.3768

291.8082,
222.1385, 272.1208


 19.6535, 8.6775,
13.2058

 58.3616, 34.4979,
46.6027


 12.2502, 4.5315,
7.4380


 77.9816, 48.8467,
64.4947


 6.9877, 1.9751,
3.6549


 101.5692, 66.7072,
86.4640

 3.5007, 0.5929,
1.4380

 129.4897, 88.4637,
112.9293

 1.4237, 0.0000,
0.1711

 162.1085,
114.5007, 144.3091

 0.2730, 0.0000,
0.0000

 199.7910,

 0.0000, 0.0000,

145.2026, 181.0219

0.0000

242.9024,
180.9537, 223.4863

■ 29.5629, 14.7977,
21.3768

■ 29.5629, 14.7977,
21.3768

■ 29.5619, 14.7973,
21.3718

■ 30.3688, 15.5415,
24.3215

■ 31.4985, 16.8650,
27.5830

■ 33.0486, 18.9602,
31.1980

■ 35.0716, 21.9306,
35.1883

■ 37.6119, 25.8637,
39.5727

■ 40.7085, 30.8361,
44.3685

■ 44.3965, 36.9167,
49.5912

■ 48.7080, 44.1687,
55.2553

■ 53.6728, 52.6502,
61.3746

Harmonies

Analogous

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



25.7637, 14.7977, 47.7903



29.5629, 14.7977, 21.3768



28.3424, 14.7977, 6.3813

Triad

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



29.5629, 14.7977, 21.3768



10.0411, 14.7977, 0.6028



7.9057, 14.7977, 61.0391

Complementary

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



29.5629, 14.7977, 21.3768



23.7627, 45.2056, 15.0700

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.



5.6283, 14.7977, 32.6638



29.5629, 14.7977, 21.3768



6.5835, 14.7977, 2.8784

Square

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



29.5629, 14.7977, 21.3768



15.7996, 14.7977, 0.2722



5.2285, 14.7977, 11.7918



12.4619, 14.7977, 79.4975

Rectangle

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



29.5629, 14.7977, 21.3768



24.9713, 14.7977, 2.3374



5.2285, 14.7977, 11.7918



6.9112, 14.7977, 51.6584

Sweetspot

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



29.5633, 14.7985, 21.3770



70.9093, 58.7598, 79.1461



14.5185, 6.1842, 59.4599



14.6156, 11.6455, 16.1602



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.



29.5633, 14.7985, 21.3770



47.2774, 23.6749, 33.7223



25.8993, 13.3330, 2.0827



12.1091, 11.9284, 13.8503



18.6729, 9.3420, 13.7155



1.0823, 0.5376, 0.9681

Inverse Universe

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



29.5633, 14.7985, 21.3770



47.2774, 23.6749, 33.7223



30.8454, 48.0387, 52.3671



12.1091, 11.9284, 13.8503



18.6729, 9.3420, 13.7155



1.0823, 0.5376, 0.9681

Previews

White Background



This preview shows how the XYZ color 29.5629, 14.7977, 21.3768 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 29.5629, 14.7977, 21.3768 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 29.5629, 14.7977, 21.3768

Background



This preview shows how black text looks on a background with the XYZ color 29.5629, 14.7977, 21.3768.



This preview shows how white text looks on a background with the XYZ color 29.5629, 14.7977,

21.3768.

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

29.5629, 14.7977, 21.3768

Protanopia

16.9256, 15.5551, 46.3663

Deuteranopia

15.6265, 15.3291, 19.2747



Tritanopia

26.3890, 15.2256, 4.7968

Trichromacy



Original Color

29.5629, 14.7977, 21.3768



Protanomaly

17.1929, 11.1785, 35.4339



Deuteranomaly

17.8528, 11.7843, 19.4228



Tritanomaly

26.8296, 14.4349, 8.7693

Monochromacy



Original Color

29.5629, 14.7977, 21.3768



Achromatopsia

6.8694, 7.2272, 7.8704



Achromatomaly

11.4347, 7.2252, 11.6184

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.5629, 14.7977, 21.3768 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(207, 0, 127)` looks like.

```
.text, #text, p{  
    color:rgb(207, 0, 127)  
}
```

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(207, 0, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 0, 127) }
```

Border

The CSS property to change the border of an element to XYZ 29.5629, 14.7977, 21.3768 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(207, 0, 127) }
```


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

```
.border{ border-color:rgb(207, 0, 127) }
```

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

Here you see how a box with a 4 pixel rgb(207, 0, 127) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(207, 0, 127); -webkit-box-  
shadow:4px 4px 4px 4px rgb(207, 0, 127);  
box-shadow:4px 4px 4px 4px rgb(207, 0,  
127) }
```

Background

The CSS property to change the background color of an element to XYZ 29.5629, 14.7977, 21.3768 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(207, 0, 127) }
```

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

```
.background{ background-color: rgb(207, 0,  
127) }
```

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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