

Converting Colors

XYZ(27.8150, 14.3809, 16.6688)

Have a look what the booklet for
XYZ(27.8150, 14.3809, 16.6688)
contains.

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Color

**XYZ(27.8034, 14.3667,
16.6369)**

Conversions

Conversions Part 1

Format	Color
Hex	CB1470
RGB	203, 20, 112
RGB Percent	80%, 8%, 44%
CMY	0.2039, 0.9215, 0.5608
CMYK	0.00, 0.90, 0.45, 0.20
HSL	330°, 82%, 44%
HSV	330°, 90%, 80%
XYZ	27.8034, 14.3667, 16.6369
YIQ	85.2050, 79.5360, 67.4080

Conversions

Conversions Part 2

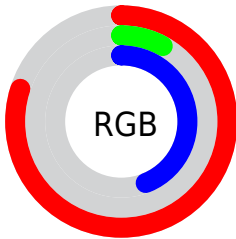
Format	Color
R_{YB}	203, 20, 112
Decimal	13309040
CIE Lab	44.75, 70.04, -2.17
CIE LCh	45, 70.074, 358.223
Yxy	14.3667, 0.4728, 0.2443
Android (android.graphics.Color)	4291499120 (0xFFCB1470)
YUV	85.2050, 13.2099, 103.3062
Hunter-Lab	37.9034, 64.6046, 0.5083

Details

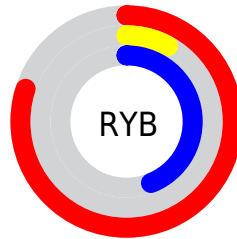
The XYZ color **27.8034, 14.3667, 16.6369** is a dark color, and the websafe version is hex **CC0066**. The color can be described as dark washed rose. A complement of this color would be **24.5155, 44.0090, 22.2485**, and the grayscale version is **8.6418, 9.0918, 9.9010**.

A 20% lighter version of the original color is **51.8552, 31.7690, 38.5209**, and **12.2818, 6.2213, 5.5545** is the 20% darker color. If you saturate the color by 10%, you get **27.0289, 13.6566, 13.7925**, and if you desaturate by 10%, it is **28.9172, 15.6436, 19.9390**.

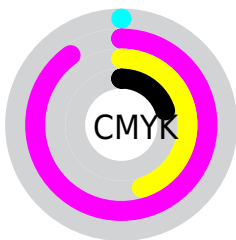
Distribution



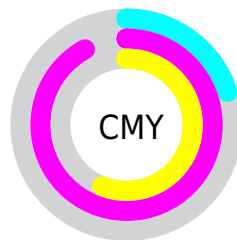
- Red (80%)
- Green (8%)
- Blue (44%)



- Red (80%)
- Yellow (8%)
- Blue (44%)



- Cyan (0%)
- Magenta (90%)
- Yellow (45%)
- Black (20%)





- Cyan (20%)
- Magenta (92%)
- Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.8034, 14.3667, 16.6369 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 27.8034, 14.3667, 16.6369 by changing the saturation by 10% instead.


 27.8034, 14.3667,
16.6369


 27.8034, 14.3667,
16.6369


283.6234,
219.5003, 245.0439


 18.3172, 8.3762,
9.8167


 55.5812, 33.7383,
38.4825


 11.2790, 4.3366,
5.1736


 74.6036, 47.8881,
54.3450


 6.3235, 1.8636,
2.2890


 97.5354, 65.5265,
74.0587

 3.0853, 0.5263,
0.7250

 124.7420, 87.0378,
98.0421

 1.1990, 0.0000,
0.0000

 156.5888,
112.8064, 126.7138

 0.1056, 0.0000,
0.0000

 193.4410,

 0.0000, 0.0000,

143.2168, 160.4923

0.0000

235.6641,
178.6533, 199.7961

■ 27.8034, 14.3667,
16.6369

■ 27.8034, 14.3667,
16.6369

■ 27.0289, 13.6566,
13.7925

■ 28.9172, 15.6436,
19.9390

■ 30.4554, 17.6653,
23.7033

■ 32.4695, 20.5318,
27.9564

■ 35.0031, 24.3272,
32.7216

■ 38.0942, 29.1249,
38.0203

■ 41.7773, 34.9911,
43.8722

■ 46.0839, 41.9864,
50.2959

■ 51.0433, 50.1665,
57.3088

■ 56.6827, 59.5837,
64.9277

Harmonies

Analogous

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



25.2543, 14.3667, 38.6838



27.8034, 14.3667, 16.6369



25.7700, 14.3667, 4.9981

Triad

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



27.8034, 14.3667, 16.6369



9.0996, 14.3667, 1.0825



8.6577, 14.3667, 60.3853

Complementary

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



27.8034, 14.3667, 16.6369



24.5155, 44.0090, 22.2485

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.



6.0948, 14.3667, 35.6811



27.8034, 14.3667, 16.6369



6.2955, 14.3667, 4.2506

Square

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



27.8034, 14.3667, 16.6369



13.9979, 14.3667, 0.4979



5.3677, 14.3667, 14.6893



13.3180, 14.3667, 72.6796

Rectangle

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



27.8034, 14.3667, 16.6369



22.3377, 14.3667, 1.9685



5.3677, 14.3667, 14.6893



7.5765, 14.3667, 52.6765

Sweetspot

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



27.8038, 14.3675, 16.6371



71.8495, 61.6486, 76.3506



17.2708, 8.0302, 57.1395



14.8759, 12.3844, 15.5740



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.



27.8038, 14.3675, 16.6371



45.1481, 22.8233, 22.5100



25.0345, 13.2598, 2.0545



11.4436, 11.3062, 12.8706



17.2471, 8.7094, 9.0200



0.9281, 0.4646, 0.6671

Inverse Universe

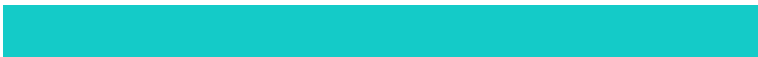
The Inverse Universe completely reimagines the original color for something new.



27.8038, 14.3675, 16.6371



45.1481, 22.8233, 22.5100



32.0644, 47.0286, 62.0005



11.4436, 11.3062, 12.8706



17.2471, 8.7094, 9.0200



0.9281, 0.4646, 0.6671

Previews

White Background



This preview shows how the XYZ color 27.8034, 14.3667, 16.6369 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 27.8034, 14.3667, 16.6369 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 27.8034, 14.3667, 16.6369

Background



This preview shows how black text looks on a background with the XYZ color 27.8034, 14.3667, 16.6369.



This preview shows how white text looks on a background with the XYZ color 27.8034, 14.3667,

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

27.8034, 14.3667, 16.6369

Protanopia

15.5319, 14.9351, 34.8650

Deuteranopia

15.0568, 14.8220, 15.1641



Tritanopia

25.3694, 14.5258, 4.2629

Trichromacy



Original Color

27.8034, 14.3667, 16.6369

Protanomaly

16.6045, 11.7310, 26.9803

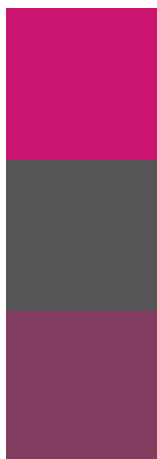
Deuteranomaly

17.6141, 12.3107, 15.3577

Tritanomaly

25.8863, 14.1956, 7.3369

Monochromacy



Original Color

27.8034, 14.3667, 16.6369

Achromatopsia

8.6345, 9.0842, 9.8927

Achromatomaly

12.6364, 8.7529, 11.8499

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.8034, 14.3667, 16.6369 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(203, 20, 112)` looks like.

```
.text, #text, p{  
    color:rgb(203, 20, 112)  
}
```

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(203, 20, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 20, 112) }
```

Border

The CSS property to change the border of an element to XYZ 27.8034, 14.3667, 16.6369 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(203, 20, 112) }
```


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

```
.border{ border-color:rgb(203, 20, 112) }
```

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

Here you see how a box with a 4 pixel `rgb(203, 20, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 20, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 20, 112);  
box-shadow:4px 4px 4px 4px rgb(203, 20,  
112) }
```

Background

The CSS property to change the background color of an element to XYZ 27.8034, 14.3667, 16.6369 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 20, 112) }
```

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

```
.background{ background-color: rgb(203, 20,  
112) }
```

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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