

Converting Colors

XYZ(27.8151, 14.0841, 12.8286)

Have a look what the booklet for
XYZ(27.8151, 14.0841, 12.8286)
contains.

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Color

**XYZ(27.9367, 14.1472,
12.8135)**

Conversions

Conversions Part 1

Format	Color
Hex	CF0062
RGB	207, 0, 98
RGB Percent	81%, 0%, 38%
CMY	0.1882, 0.9998, 0.6157
CMYK	0.00, 1.00, 0.53, 0.19
HSL	332°, 100%, 41%
HSV	332°, 100%, 81%
XYZ	27.9367, 14.1472, 12.8135
YIQ	73.0650, 91.9140, 74.3620

Conversions

Conversions Part 2

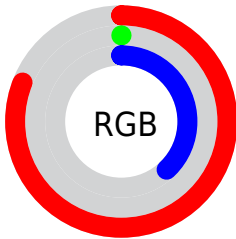
Format	Color
RYB	207, 0, 98
Decimal	13566050
CIELab	44.44, 71.91, 6.20
CIELCh	44, 72.177, 4.931
Yxy	14.1472, 0.5089, 0.2577
Android (android.graphics.Color)	4291756130 (0xFFCF0062)
YUV	73.0650, 12.2930, 117.4610
Hunter-Lab	37.6128, 66.7577, 6.1307

Details

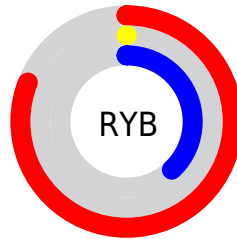
The XYZ color **27.9367, 14.1472, 12.8135** is a dark color, and the websafe version is hex **CC0066**. The color can be described as dark washed rose. A complement of this color would be **25.0757, 45.7307, 21.9844**, and the grayscale version is **6.3159, 6.6449, 7.2363**.

A 20% lighter version of the original color is **50.0750, 30.3776, 31.2412**, and **12.4739, 6.3589, 3.8188** is the 20% darker color. If you saturate the color by 10%, you get **27.9356, 14.1468, 12.8083**, and if you desaturate by 10%, it is **28.7505, 14.8942, 15.8000**.

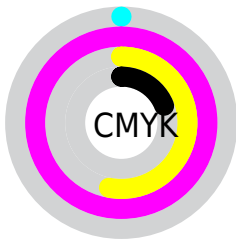
Distribution



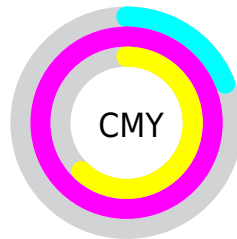
- Red (81%)
- Green (0%)
- Blue (38%)



- Red (81%)
- Yellow (0%)
- Blue (38%)



- Cyan (0%)
- Magenta (100%)
- Yellow (53%)
- Black (19%)




- Cyan (19%)
- Magenta (100%)
- Yellow (62%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 27.9367, 14.1472, 12.8135 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 27.9367, 14.1472, 12.8135 by changing the saturation by 10% instead.


 27.9367, 14.1472,
12.8135


 27.9367, 14.1472,
12.8135


284.2499,
218.1447, 220.8846


 18.4182, 8.2231,
7.1710


 55.7927, 33.3500,
31.6546


 11.3521, 4.2380,
3.4892


 74.8609, 47.3975,
45.6903


 6.3732, 1.8076,
1.3495


 97.8430, 64.9216,
63.3608

 3.1161, 0.4919,
0.1019

 125.1044, 86.3066,
85.0847

 1.2155, 0.0000,
0.0000

 157.0104,
111.9371, 111.2804

 0.1185, 0.0000,
0.0000

 193.9264,

 0.0000, 0.0000,

142.1973, 142.3667

0.0000

236.2178,
177.4717, 178.7619

■ 27.9367, 14.1472,
12.8135

■ 27.9367, 14.1472,
12.8135

■ 27.9356, 14.1468,
12.8083

■ 28.7505, 14.8942,
15.8000

■ 29.9185, 16.2331,
19.2635

■ 31.5391, 18.3565,
23.2494

■ 33.6661, 21.3686,
27.7874

■ 36.3455, 25.3573,
32.9042

■ 39.6176, 30.3999,
38.6241

■ 43.5189, 36.5660,
44.9696

■ 48.0826, 43.9188,
51.9618

■ 53.3398, 52.5173,
59.6209

Harmonies

Analogous

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



26.3220, 14.1472, 33.3345



27.9367, 14.1472, 12.8135



24.8473, 14.1472, 3.3846

Triad

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



27.9367, 14.1472, 12.8135



8.0089, 14.1472, 1.2434



9.2453, 14.1472, 66.3857

Complementary

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



27.9367, 14.1472, 12.8135



25.0757, 45.7307, 21.9844

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.



6.2077, 14.1472, 41.9584



27.9367, 14.1472, 12.8135



5.6514, 14.1472, 5.4329

Square

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



27.9367, 14.1472, 12.8135



12.5086, 14.1472, 0.3297



5.1027, 14.1472, 18.3218



14.4301, 14.1472, 74.3562

Rectangle

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



27.9367, 14.1472, 12.8135



20.9440, 14.1472, 1.2517



5.1027, 14.1472, 18.3218



7.9932, 14.1472, 59.2546

Sweetspot

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



27.9371, 14.1481, 12.8137



69.4885, 58.1915, 71.6643



17.3226, 7.6297, 59.5909



14.2788, 11.5108, 14.3871



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.



27.9371, 14.1481, 12.8137



44.6728, 22.6331, 20.0067



25.7701, 13.3412, 1.2180



12.0384, 11.9001, 13.4778



17.6479, 8.9320, 8.3179



1.0267, 0.5154, 0.6755

Inverse Universe

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



27.9371, 14.1481, 12.8137



44.6728, 22.6331, 20.0067



32.7491, 47.4775, 66.4693



12.0384, 11.9001, 13.4778



17.6479, 8.9320, 8.3179



1.0267, 0.5154, 0.6755

Previews

White Background



This preview shows how the XYZ color 27.9367, 14.1472, 12.8135 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 27.9367, 14.1472, 12.8135 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

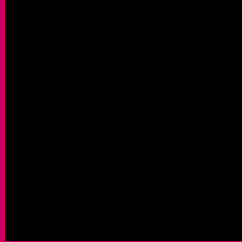
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 27.9367, 14.1472, 12.8135

Background



This preview shows how black text looks on a background with the XYZ color 27.9367, 14.1472, 12.8135.



This preview shows how white text looks on a background with the XYZ color 27.9367, 14.1472,

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

27.9367, 14.1472, 12.8135

Protanopia

15.0735, 14.8577, 27.6646

Deuteranopia

14.9656, 14.7069, 11.5011



Tritanopia

25.9936, 14.4349, 3.3357

Trichromacy



Original Color

27.9367, 14.1472, 12.8135

Protanomaly

16.2543, 10.9239, 20.9905

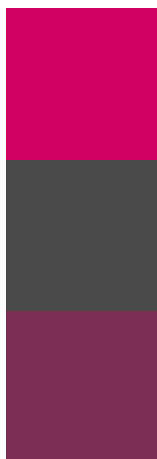
Deuteranomaly

17.2064, 11.5392, 11.4456

Tritanomaly

26.3401, 14.0006, 5.5891

Monochromacy



Original Color

27.9367, 14.1472, 12.8135

Achromatopsia

6.3328, 6.6626, 7.2556

Achromatomaly

10.5260, 6.7008, 8.7212

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.9367, 14.1472, 12.8135 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, 98)` looks like.

```
.text, #text, p{  
    color:rgb(207, 0, 98)  
}
```

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, 98) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 0, 98) }
```

Border

The CSS property to change the border of an element to XYZ 27.9367, 14.1472, 12.8135 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, 98) }
```


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

```
.border{ border-color:rgb(207, 0, 98) }
```

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, 98)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(207, 0, 98); -webkit-box-  
shadow:4px 4px 4px 4px rgb(207, 0, 98);  
box-shadow:4px 4px 4px 4px rgb(207, 0, 98)  
}
```

Background

The CSS property to change the background color of an element to XYZ 27.9367, 14.1472, 12.8135 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, 98) }
```

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

```
.background{ background-color: rgb(207, 0,  
98) }
```

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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