

Converting Colors

XYZ(27.9981, 14.0759, 17.4703)

Have a look what the booklet for
XYZ(27.9981, 14.0759, 17.4703)
contains.

XYZ(27.9964, 14.0752, 17.4609)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(27.9964, 14.0752,
17.4609)**

Conversions

Conversions Part 1

Format	Color
Hex	CC0073
RGB	204, 0, 115
RGB Percent	80%, 0%, 45%
CMY	0.2000, 0.9998, 0.5490
CMYK	0.00, 1.00, 0.44, 0.20
HSL	326°, 100%, 40%
HSV	326°, 100%, 80%
XYZ	27.9964, 14.0752, 17.4609
YIQ	74.1060, 84.6690, 79.0130

Conversions

Conversions Part 2

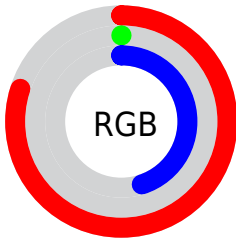
Format	Color
RYB	204, 0, 115
Decimal	13369459
CIELab	44.34, 72.59, -4.62
CIElCh	44, 72.737, 356.356
Yxy	14.0752, 0.4703, 0.2364
Android (android.graphics.Color)	4291559539 (0xFFCC0073)
YUV	74.1060, 20.1607, 113.9170
Hunter-Lab	37.5169, 67.5481, -1.3325

Details

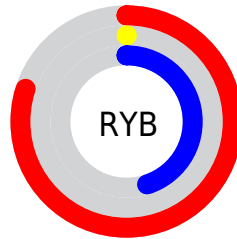
The XYZ color **27.9964, 14.0752, 17.4609** is a dark color, and the websafe version is hex **CC0066**. The color can be described as dark washed rose. A complement of this color would be **23.3981, 43.9079, 16.7015**, and the grayscale version is **6.4863, 6.8241, 7.4315**.

A 20% lighter version of the original color is **51.7048, 31.0295, 39.8234**, and **12.3408, 6.2449, 5.8651** is the 20% darker color. If you saturate the color by 10%, you get **27.9954, 14.0748, 17.4559**, and if you desaturate by 10%, it is **28.7917, 14.8061, 20.3767**.

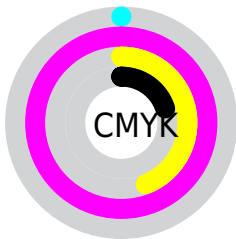
Distribution



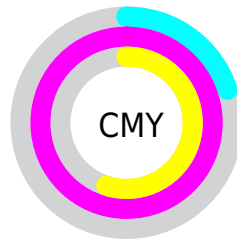
- Red (80%)
- Green (0%)
- Blue (45%)



- Red (80%)
- Yellow (0%)
- Blue (45%)



- Cyan (0%)
- Magenta (100%)
- Yellow (44%)
- Black (20%)





- Cyan (20%)
- Magenta (100%)
- Yellow (55%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 27.9964, 14.0752, 17.4609 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 27.9964, 14.0752, 17.4609 by changing the saturation by 10% instead.


 27.9964, 14.0752,
17.4609


 27.9964, 14.0752,
17.4609


284.5301,
217.6981, 249.9478


 18.4634, 8.1730,
10.3982


 55.8874, 33.2224,
39.9180


 11.3849, 4.2058,
5.5547


 74.9761, 47.2362,
56.1495


 6.3955, 1.7894,
2.5119


 97.9807, 64.7226,
76.2743

 3.1300, 0.4805,
0.8465

 125.2666, 86.0661,
100.7111

 1.2229, 0.0000,
0.0000

 157.1991,
111.6509, 129.8783

 0.1243, 0.0000,
0.0000

 194.1436,

 0.0000, 0.0000,

141.8617, 164.1944

0.0000

236.4655,
177.0826, 204.0781

■ 27.9964, 14.0752,
17.4609

■ 27.9964, 14.0752,
17.4609

■ 27.9954, 14.0748,
17.4559

■ 28.7917, 14.8061,
20.3767

■ 29.9093, 16.1001,
23.6505

■ 31.4437, 18.1446,
27.3203

■ 33.4460, 21.0392,
31.4093

■ 35.9593, 24.8686,
35.9376

■ 39.0215, 29.7069,
40.9239

■ 42.6671, 35.6207,
46.3849

■ 46.9271, 42.6709,
52.3365

■ 51.8307, 50.9138,
58.7937

Harmonies

Analogous

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



25.0661, 14.0752, 40.9241



27.9964, 14.0752, 17.4609



26.1662, 14.0752, 5.0262

Triad

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



27.9964, 14.0752, 17.4609



8.9883, 14.0752, 0.7881



8.0733, 14.0752, 60.6829

Complementary

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



27.9964, 14.0752, 17.4609



23.3981, 43.9079, 16.7015

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.



5.6305, 14.0752, 34.4833



27.9964, 14.0752, 17.4609



6.0408, 14.0752, 3.5240

Square

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



27.9964, 14.0752, 17.4609



14.1043, 14.0752, 0.2698



5.0122, 14.0752, 13.3717



12.6772, 14.0752, 74.9942

Rectangle

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



27.9964, 14.0752, 17.4609



22.7160, 14.0752, 1.8483



5.0122, 14.0752, 13.3717



7.0305, 14.0752, 52.3398

Sweetspot

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



27.9968, 14.0760, 17.4611



70.3938, 58.5536, 76.4315



14.9641, 6.4558, 57.5841



14.4930, 11.5964, 15.5147



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.



27.9968, 14.0760, 17.4611



46.2534, 23.2653, 28.3301



24.9791, 12.8689, 1.5700



11.4727, 11.3178, 13.0239



17.6681, 8.8778, 11.2371



0.9492, 0.4731, 0.7783

Inverse Universe

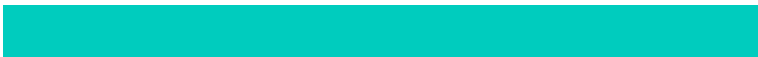
The Inverse Universe completely reimagines the original color for something new.



27.9968, 14.0760, 17.4611



46.2534, 23.2653, 28.3301



30.9317, 46.9213, 56.3727



11.4727, 11.3178, 13.0239



17.6681, 8.8778, 11.2371



0.9492, 0.4731, 0.7783

Previews

White Background



This preview shows how the XYZ color 27.9964, 14.0752, 17.4609 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 27.9964, 14.0752, 17.4609 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 27.9964, 14.0752, 17.4609

Background



This preview shows how black text looks on a background with the XYZ color 27.9964, 14.0752, 17.4609.



This preview shows how white text looks on a background with the XYZ color 27.9964, 14.0752,

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

27.9964, 14.0752, 17.4609

Protanopia

15.5894, 14.7511, 37.6229

Deuteranopia

15.0230, 14.7928, 15.6992



Tritanopia

25.2896, 14.4306, 4.0372

Trichromacy



Original Color

27.9964, 14.0752, 17.4609



Protanomaly

16.1757, 10.7101, 28.8185



Deuteranomaly

17.1030, 11.3901, 15.7651



Tritanomaly

25.6641, 13.7512, 7.2628

Monochromacy



Original Color

27.9964, 14.0752, 17.4609



Achromatopsia

6.5089, 6.8478, 7.4573



Achromatomaly

10.7048, 6.8192, 10.2032

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.9964, 14.0752, 17.4609 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, 115)` looks like.

```
.text, #text, p{  
    color:rgb(204, 0, 115)  
}
```

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, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 0, 115) }
```

Border

The CSS property to change the border of an element to XYZ 27.9964, 14.0752, 17.4609 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, 115) }
```


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

```
.border{ border-color:rgb(204, 0, 115) }
```

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, 115) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 0, 115); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 0, 115);  
box-shadow:4px 4px 4px 4px rgb(204, 0,  
115) }
```

Background

The CSS property to change the background color of an element to XYZ 27.9964, 14.0752, 17.4609 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, 115) }
```

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

```
.background{ background-color: rgb(204, 0,  
115) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor