

# Converting Colors

XYZ(27.4174, 14.0077, 6.9961)

Have a look what the booklet for  
XYZ(27.4174, 14.0077, 6.9961)  
contains.

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# Color

**XYZ(27.4000, 13.9975,  
7.0520)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D10046
RGB	209, 0, 70
RGB Percent	82%, 0%, 27%
CMY	0.1804, 0.9998, 0.7255
CMYK	0.00, 1.00, 0.67, 0.18
HSL	340°, 100%, 41%
HSV	340°, 100%, 82%
XYZ	27.4000, 13.9975, 7.0520
YIQ	70.4710, 102.0940, 66.0780

# Conversions

## Conversions Part 2

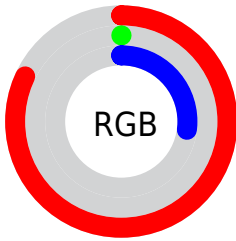
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	209, 0, 70
Decimal	13697094
CIE <sub>Lab</sub>	44.23, 70.69, 23.53
CIE <sub>LCh</sub>	44, 74.502, 18.407
Yxy	13.9975, 0.5655, 0.2889
Android (android.graphics.Color)	4291887174 (0xFFD10046)
YUV	70.4710, -0.2322, 121.4899
Hunter-Lab	37.4132, 65.2533, 15.0137

# Details

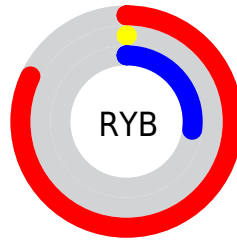
The XYZ color **27.4000, 13.9975, 7.0520** is a dark color, and the websafe version is hex **CC0033**. The color can be described as dark washed red. A complement of this color would be **27.4642, 47.4663, 32.1567**, and the grayscale version is **5.8924, 6.1993, 6.7510**.

A 20% lighter version of the original color is **47.9997, 29.5475, 20.3129**, and **12.0637, 6.1948, 1.6585** is the 20% darker color. If you saturate the color by 10%, you get **27.3990, 13.9971, 7.0473**, and if you desaturate by 10%, it is **28.1579, 14.7281, 9.7263**.

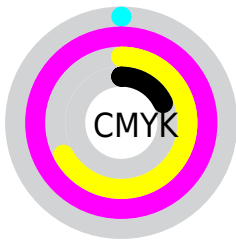
# Distribution



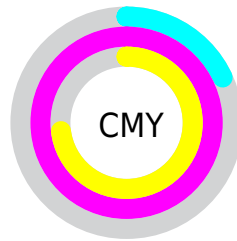
- Red (82%)
- Green (0%)
- Blue (27%)



- Red (82%)
- Yellow (0%)
- Blue (27%)



- Cyan (0%)
- Magenta (100%)
- Yellow (67%)
- Black (18%)




- Cyan (18%)
- Magenta (100%)
- Yellow (73%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 27.4000, 13.9975, 7.0520 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 27.4000, 13.9975, 7.0520 by changing the saturation by 10% instead.





 27.4000, 13.9975,  
7.0520


 27.4000, 13.9975,  
7.0520


281.7210,  
217.2153, 177.7424


 18.0120, 8.1189,  
3.4157


 54.9404, 33.0846,  
20.5924


 11.0583, 4.1711,  
1.3106


 73.8236, 47.0619,  
31.3336

 6.1737, 1.7698,  
0.0705


 96.6025, 64.5076,  
45.2801

 2.9926, 0.4682,  
0.0000

 123.6426, 85.8060,  
62.8506

 1.1499, 0.0000,  
0.0000

 155.3091,  
111.3416, 84.4635

 0.0662, 0.0000,  
0.0000

 191.9674,

 0.0000, 0.0000,

141.4988, 110.5374

0.0000

233.9830,  
176.6618, 141.4909

■ 27.4000, 13.9975,  
7.0520

■ 27.4000, 13.9975,  
7.0520

■ 27.3990, 13.9971,  
7.0473

■ 28.1579, 14.7281,  
9.7263

■ 29.3122, 16.0782,  
13.0658

■ 30.9661, 18.2452,  
17.1339

■ 33.1779, 21.3369,  
21.9772

■ 35.9974, 25.4447,  
27.6376

■ 39.4684, 30.6486,  
34.1534

■ 43.6308, 37.0207,  
41.5605

■ 48.5209, 44.6270,  
49.8925

■ 54.1726, 53.5285,  
59.1810

# Harmonies

## Analogous

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



27.9744, 13.9975, 22.8288



27.4000, 13.9975, 7.0520



22.4482, 13.9975, 1.5170

# Triad

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



27.4000, 13.9975, 7.0520



6.4450, 13.9975, 2.1896



11.1327, 13.9975, 75.2499

# Complementary

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



27.4000, 13.9975, 7.0520



27.4642, 47.4663, 32.1567

# 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.



7.0572, 13.9975, 55.2918



27.4000, 13.9975, 7.0520



4.9426, 13.9975, 9.5537

# Square

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



27.4000, 13.9975, 7.0520



10.0052, 13.9975, 0.3893



5.1269, 13.9975, 28.1231



17.2587, 13.9975, 72.3614



# Rectangle

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



27.4000, 13.9975, 7.0520



17.9801, 13.9975, 0.4883



5.1269, 13.9975, 28.1231



9.5186, 13.9975, 70.6139

# Sweetspot

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



27.4003, 13.9984, 7.0522



68.1726, 57.6651, 64.7344



21.6404, 9.8273, 61.0776



13.9704, 11.3874, 12.7629



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.



27.4003, 13.9984, 7.0522



42.8945, 21.9218, 10.6426



26.7947, 14.5556, 1.3985



11.9697, 11.8726, 13.1161



16.9347, 8.6467, 4.5623



0.9835, 0.4981, 0.4478



# Inverse Universe

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



27.4003, 13.9984, 7.0522



42.8945, 21.9218, 10.6426



27.3611, 36.3078, 65.8873



11.9697, 11.8726, 13.1161



16.9347, 8.6467, 4.5623



0.9835, 0.4981, 0.4478



# Previews

## White Background



This preview shows how the XYZ color 27.4000, 13.9975, 7.0520 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



## 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 27.4000, 13.9975, 7.0520**

## **Background**



This preview shows how black text looks on a background with the XYZ color 27.4000, 13.9975, 7.0520.



This preview shows how white text looks on a background with the XYZ color 27.4000, 13.9975,



# 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

27.4000, 13.9975, 7.0520

### Protanopia

14.0326, 14.6023, 14.9109

### Deuteranopia

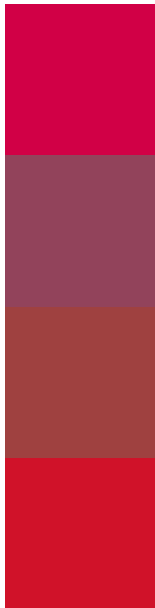
14.7729, 14.5748, 6.3096



## Tritanopia

26.6031, 14.3106, 2.2798

# Trichromacy



## Original Color

27.4000, 13.9975, 7.0520

## Protanomaly

15.7495, 10.8806, 11.1676

## Deuteranomaly

17.1138, 11.5217, 6.1724

## Tritanomaly

26.6290, 14.0026, 3.3971

# Monochromacy



## Original Color

27.4000, 13.9975, 7.0520

## Achromatopsia

5.8214, 6.1246, 6.6697

## Achromatomaly

9.9290, 6.3839, 6.5033

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 27.4000, 13.9975, 7.0520 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(209, 0, 70)` looks like.

```
.text, #text, p{  
    color:rgb(209, 0, 70)  
}
```

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(209, 0, 70) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 0, 70) }
```

## Border

The CSS property to change the border of an element to XYZ 27.4000, 13.9975, 7.0520 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(209, 0, 70) }
```



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

```
.border{ border-color:rgb(209, 0, 70) }
```

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

Here you see how a box with a 4 pixel rgb(209, 0, 70) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 0, 70); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 0, 70);  
box-shadow:4px 4px 4px 4px rgb(209, 0, 70)  
}
```

# Background

The CSS property to change the background color of an element to XYZ 27.4000, 13.9975, 7.0520 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 0, 70) }
```

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

```
.background{ background-color: rgb(209, 0,  
70) }
```

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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