

Converting Colors

XYZ(26.8690, 13.7884, 4.1079)

Have a look what the booklet for
XYZ(26.8690, 13.7884, 4.1079)
contains.

XYZ(26.8489, 13.7771, 4.1499)	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(26.8489, 13.7771,
4.1499)**

Conversions

Conversions Part 1

Format	Color
Hex	D10031
RGB	209, 0, 49
RGB Percent	82%, 0%, 19%
CMY	0.1804, 0.9998, 0.8078
CMYK	0.00, 1.00, 0.77, 0.18
HSL	346°, 100%, 41%
HSV	346°, 100%, 82%
XYZ	26.8489, 13.7771, 4.1499
YIQ	68.0770, 108.8350, 59.5470

Conversions

Conversions Part 2

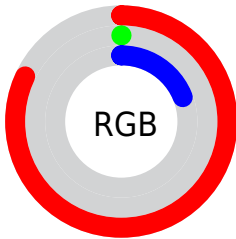
Format	Color
RYB	209, 0, 49
Decimal	13697073
CIELab	43.91, 69.83, 35.99
CIELCh	44, 78.559, 27.266
Yxy	13.7771, 0.5996, 0.3077
Android (android.graphics.Color)	4291887153 (0xFFD10031)
YUV	68.0770, -9.4050, 123.5895
Hunter-Lab	37.1175, 64.1621, 19.3534

Details

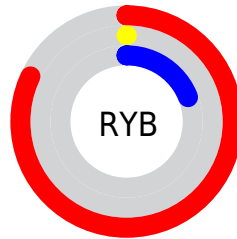
The XYZ color **26.8489, 13.7771, 4.1499** is a dark color, and the websafe version is hex **CC0033**. The color can be described as dark washed red. A complement of this color would be **29.1500, 48.1406, 41.0341**, and the grayscale version is **5.5133, 5.8004, 6.3166**.

A 20% lighter version of the original color is **46.7138, 28.9026, 13.9431**, and **11.7044, 6.0307, 0.6907** is the 20% darker color. If you saturate the color by 10%, you get **26.8480, 13.7767, 4.1460**, and if you desaturate by 10%, it is **27.5157, 14.4713, 6.3446**.

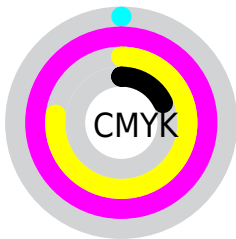
Distribution



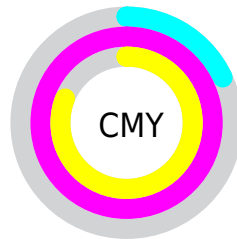
- Red (82%)
- Green (0%)
- Blue (19%)



- Red (82%)
- Yellow (0%)
- Blue (19%)



- Cyan (0%)
- Magenta (100%)
- Yellow (77%)
- Black (18%)





- Cyan (18%)
- Magenta (100%)
- Yellow (81%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 26.8489, 13.7771, 4.1499 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 26.8489, 13.7771, 4.1499 by changing the saturation by 10% instead.


 26.8489, 13.7771,
4.1499


 26.8489, 13.7771,
4.1499


279.1057,
215.8397, 149.8772


 17.5958, 7.9658,
1.7079


 54.0629, 32.6930,
14.3540


 10.7581, 4.0731,
0.3662


 72.7545, 46.5664,
22.9533


 5.9705, 1.7145,
0.0000


 95.3230, 63.8959,
34.4420

 2.8676, 0.4330,
0.0000

 122.1336, 85.0660,
49.2388

 1.0842, 0.0000,
0.0000

 153.5519,
110.4610, 67.7622

 0.0118, 0.0000,
0.0000

 189.9431,

 0.0000, 0.0000,

140.4654, 90.4307

0.0000

231.6726,
175.4635, 117.6628

■ 26.8489, 13.7771,
4.1499

■ 26.8489, 13.7771,
4.1499

■ 26.8480, 13.7767,
4.1460

■ 27.5157, 14.4713,
6.3446

■ 28.6023, 15.7944,
9.3271

■ 30.2160, 17.9454,
13.1832

■ 32.4187, 21.0336,
17.9782

■ 35.2634, 25.1516,
23.7712

■ 38.7970, 30.3806,
30.6158

■ 43.0618, 36.7939,
38.5619

■ 48.0967, 44.4582,
47.6559

■ 53.9378, 53.4356,
57.9417

Harmonies

Analogous

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



29.0263, 13.7771, 16.6934



26.8489, 13.7771, 4.1499



20.6782, 13.7771, 0.6730

Triad

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



26.8489, 13.7771, 4.1499



5.3950, 13.7771, 3.0614



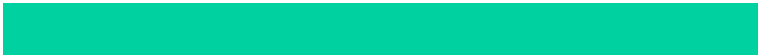
12.5329, 13.7771, 81.7339

Complementary

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



26.8489, 13.7771, 4.1499



29.1500, 48.1406, 41.0341

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.



7.6373, 13.7771, 66.1373



26.8489, 13.7771, 4.1499



4.4175, 13.7771, 13.4268

Square

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



26.8489, 13.7771, 4.1499



8.3474, 13.7771, 0.4110



5.0855, 13.7771, 36.7778



19.3680, 13.7771, 70.6247

Rectangle

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



26.8489, 13.7771, 4.1499



15.9095, 13.7771, 0.0000



5.0855, 13.7771, 36.7778



10.6332, 13.7771, 79.2731

Sweetspot

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



26.8492, 13.7780, 4.1501



67.2721, 57.3049, 59.9925



25.3671, 11.7485, 61.2519



13.7615, 11.3039, 11.6630



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.



26.8492, 13.7780, 4.1501



42.0488, 21.5835, 6.1891



27.5353, 16.0368, 1.6455



11.9206, 11.8530, 12.8578



16.5858, 8.5071, 2.7249



0.9589, 0.4883, 0.3182

Inverse Universe

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



26.8492, 13.7780, 4.1501



42.0488, 21.5835, 6.1891



23.5257, 28.6369, 64.6087



11.9206, 11.8530, 12.8578



16.5858, 8.5071, 2.7249



0.9589, 0.4883, 0.3182

Previews

White Background



This preview shows how the XYZ color 26.8489, 13.7771, 4.1499 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 26.8489, 13.7771, 4.1499 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 26.8489, 13.7771, 4.1499

Background



This preview shows how black text looks on a background with the XYZ color 26.8489, 13.7771, 4.1499.



This preview shows how white text looks on a background with the XYZ color 26.8489, 13.7771,

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

26.8489, 13.7771, 4.1499

Protanopia

13.3295, 14.3799, 8.5516

Deuteranopia

14.6450, 14.4213, 3.6808



Tritanopia

26.3230, 13.9344, 1.6188

Trichromacy



Original Color

26.8489, 13.7771, 4.1499

Protanomaly

15.3557, 10.7855, 6.2735

Deuteranomaly

16.9316, 11.4040, 3.4066

Tritanomaly

26.3318, 13.7679, 2.1893

Monochromacy



Original Color

26.8489, 13.7771, 4.1499

Achromatopsia

5.4944, 5.7805, 6.2950

Achromatomaly

9.3139, 5.9866, 5.0795

CSS Examples

Text

The CSS property to change the color of the text to XYZ 26.8489, 13.7771, 4.1499 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, 49)` looks like.

```
.text, #text, p{  
    color:rgb(209, 0, 49)  
}
```

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, 49) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 0, 49) }
```

Border

The CSS property to change the border of an element to XYZ 26.8489, 13.7771, 4.1499 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, 49) }
```


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

```
.border{ border-color:rgb(209, 0, 49) }
```

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, 49) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 0, 49); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 0, 49);  
box-shadow:4px 4px 4px 4px rgb(209, 0, 49)  
}
```

Background

The CSS property to change the background color of an element to XYZ 26.8489, 13.7771, 4.1499 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, 49) }
```

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

```
.background{ background-color: rgb(209, 0,  
49) }
```

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