

Converting Colors

XYZ(26.8244, 13.7705, 3.8734)

Have a look what the booklet for
XYZ(26.8244, 13.7705, 3.8734)
contains.

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Color

**XYZ(26.7876, 13.7526,
3.8274)**

Conversions

Conversions Part 1

Format	Color
Hex	D1002E
RGB	209, 0, 46
RGB Percent	82%, 0%, 18%
CMY	0.1804, 0.9998, 0.8196
CMYK	0.00, 1.00, 0.78, 0.18
HSL	347°, 100%, 41%
HSV	347°, 100%, 82%
XYZ	26.7876, 13.7526, 3.8274
YIQ	67.7350, 109.7980, 58.6140

Conversions

Conversions Part 2

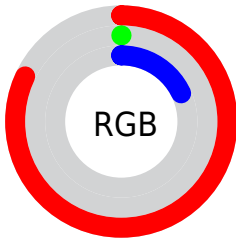
Format	Color
R_{YB}	209, 0, 46
Decimal	13697070
CIE Lab	43.88, 69.73, 37.72
CIE LCh	44, 79.281, 28.409
Yxy	13.7526, 0.6038, 0.3100
Android (android.graphics.Color)	4291887150 (0xFFD1002E)
YUV	67.7350, -10.7154, 123.8894
Hunter-Lab	37.0845, 64.0397, 19.8400

Details

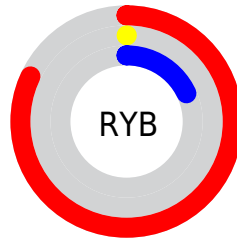
The XYZ color **26.7876, 13.7526, 3.8274** is a dark color, and the websafe version is hex **CC0033**. The color can be described as dark washed red. A complement of this color would be **29.4159, 48.2468, 42.4346**, and the grayscale version is **5.4604, 5.7448, 6.2561**.

A 20% lighter version of the original color is **46.5800, 28.8491, 13.2386**, and **11.6825, 6.0219, 0.5753** is the 20% darker color. If you saturate the color by 10%, you get **26.7866, 13.7521, 3.8235**, and if you desaturate by 10%, it is **27.4393, 14.4407, 5.9424**.

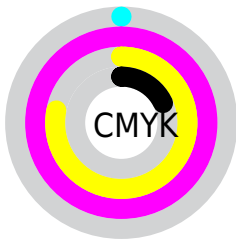
Distribution



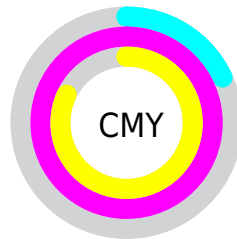
- Red (82%)
- Green (0%)
- Blue (18%)



- Red (82%)
- Yellow (0%)
- Blue (18%)



- Cyan (0%)
- Magenta (100%)
- Yellow (78%)
- Black (18%)





- Cyan (18%)
- Magenta (100%)
- Yellow (82%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 26.7876, 13.7526, 3.8274 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 26.7876, 13.7526, 3.8274 by changing the saturation by 10% instead.

 26.7876, 13.7526,
3.8274


 26.7876, 13.7526,
3.8274


278.8136,
215.6863, 146.2872


 17.5495, 7.9488,
1.5311


 53.9651, 32.6494,
13.6097


 10.7248, 4.0622,
0.2410


 72.6353, 46.5112,
21.9328


 5.9480, 1.7084,
0.0000


 95.1803, 63.8278,
33.1020

 2.8539, 0.4291,
0.0000

 121.9653, 84.9835,
47.5357

 1.0770, 0.0000,
0.0000

 153.3558,
110.3629, 65.6525

 0.0057, 0.0000,
0.0000

 189.7171,

 0.0000, 0.0000,

140.3502, 87.8710

0.0000

231.4146,
175.3298, 114.6097

■ 26.7876, 13.7526,
3.8274

■ 26.7876, 13.7526,
3.8274

■ 26.7866, 13.7521,
3.8235

■ 27.4393, 14.4407,
5.9424

■ 28.5138, 15.7591,
8.8614

■ 30.1193, 17.9069,
12.6742

■ 32.3184, 20.9937,
17.4498

■ 35.1645, 25.1123,
23.2500

■ 38.7051, 30.3441,
30.1313

■ 42.9829, 36.7627,
38.1458

■ 48.0373, 44.4349,
47.3423

■ 53.9048, 53.4229,
57.7666

Harmonies

Analogous

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



29.1890, 13.7526, 15.9527



26.7876, 13.7526, 3.8274



20.4518, 13.7526, 0.5674

Triad

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



26.7876, 13.7526, 3.8274



5.2612, 13.7526, 3.1973



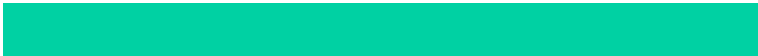
12.7398, 13.7526, 82.7087

Complementary

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



26.7876, 13.7526, 3.8274



29.4159, 48.2468, 42.4346

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.



7.7220, 13.7526, 67.7767



26.7876, 13.7526, 3.8274



4.3490, 13.7526, 14.0367

Square

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



26.7876, 13.7526, 3.8274



8.1371, 13.7526, 0.4135



5.0809, 13.7526, 38.1151



19.6809, 13.7526, 70.4316

Rectangle

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



26.7876, 13.7526, 3.8274



15.6443, 13.7526, 0.0000



5.0809, 13.7526, 38.1151



10.7974, 13.7526, 80.5706

Sweetspot

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



26.7879, 13.7535, 3.8276



67.1470, 57.2549, 59.3341



26.0550, 12.1032, 61.2839



13.7327, 11.2923, 11.5111



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.



26.7879, 13.7535, 3.8276



41.9557, 21.5463, 5.6991



27.6975, 16.3612, 1.6996



11.9137, 11.8502, 12.8211



16.5465, 8.4914, 2.5182



0.9557, 0.4870, 0.3013

Inverse Universe

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



26.7879, 13.7535, 3.8276



41.9557, 21.5463, 5.6991



22.9460, 27.4776, 64.4153



11.9137, 11.8502, 12.8211



16.5465, 8.4914, 2.5182



0.9557, 0.4870, 0.3013

Previews

White Background



This preview shows how the XYZ color 26.7876, 13.7526, 3.8274 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 26.7876, 13.7526, 3.8274 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 26.7876, 13.7526, 3.8274

Background



This preview shows how black text looks on a background with the XYZ color 26.7876, 13.7526, 3.8274.



This preview shows how white text looks on a background with the XYZ color 26.7876, 13.7526,

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

26.7876, 13.7526, 3.8274

Protanopia

13.3298, 14.3951, 7.8703

Deuteranopia

14.5873, 14.3982, 3.3768



Tritanopia

26.2891, 13.8932, 1.5258

Trichromacy



Original Color

26.7876, 13.7526, 3.8274

Protanomaly

15.2439, 10.7408, 5.6846

Deuteranomaly

16.8653, 11.3774, 3.0574

Tritanomaly

26.2887, 13.7308, 2.0238

Monochromacy



Original Color

26.7876, 13.7526, 3.8274

Achromatopsia

5.4944, 5.7805, 6.2950

Achromatomaly

9.2872, 5.9759, 4.9389

CSS Examples

Text

The CSS property to change the color of the text to XYZ 26.7876, 13.7526, 3.8274 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, 46)` looks like.

```
.text, #text, p{  
    color:rgb(209, 0, 46)  
}
```

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, 46) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 0, 46) }
```

Border

The CSS property to change the border of an element to XYZ 26.7876, 13.7526, 3.8274 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, 46) }
```


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

```
.border{ border-color:rgb(209, 0, 46) }
```

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, 46)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 0, 46); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 0, 46);  
box-shadow:4px 4px 4px 4px rgb(209, 0, 46)  
}
```

Background

The CSS property to change the background color of an element to XYZ 26.7876, 13.7526, 3.8274 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, 46) }
```

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

```
.background{ background-color: rgb(209, 0,  
46) }
```

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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