

Converting Colors

XYZ(25.4832, 13.0710, 4.2194)

Have a look what the booklet for
XYZ(25.4832, 13.0710, 4.2194)
contains.

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Color

**XYZ(25.4776, 13.0677,
4.1971)**

Conversions

Conversions Part 1

Format	Color
Hex	CC0032
RGB	204, 0, 50
RGB Percent	80%, 0%, 20%
CMY	0.2000, 0.9998, 0.8039
CMYK	0.00, 1.00, 0.75, 0.20
HSL	345°, 100%, 40%
HSV	345°, 100%, 80%
XYZ	25.4776, 13.0677, 4.1971
YIQ	66.6960, 105.5340, 58.7980

Conversions

Conversions Part 2

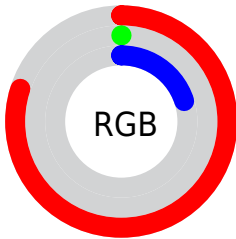
Format	Color
RYB	204, 0, 50
Decimal	13369394
CIELab	42.87, 68.66, 33.93
CIELCh	43, 76.584, 26.299
Yxy	13.0677, 0.5961, 0.3057
Android (android.graphics.Color)	4291559474 (0xFFCC0032)
YUV	66.6960, -8.2311, 120.4156
Hunter-Lab	36.1493, 62.5436, 18.4206

Details

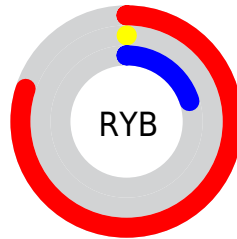
The XYZ color **25.4776, 13.0677, 4.1971** is a dark color, and the websafe version is hex **CC0033**. The color can be described as dark washed red. A complement of this color would be **27.4296, 45.5203, 37.9312**, and the grayscale version is **5.2918, 5.5673, 6.0628**.

A 20% lighter version of the original color is **46.6791, 28.7601, 14.1573**, and **11.0174, 5.6759, 0.6872** is the 20% darker color. If you saturate the color by 10%, you get **25.4767, 13.0673, 4.1934**, and if you desaturate by 10%, it is **26.1256, 13.7397, 6.3376**.

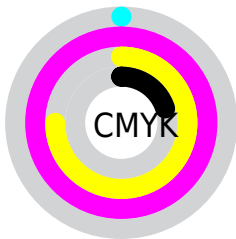
Distribution



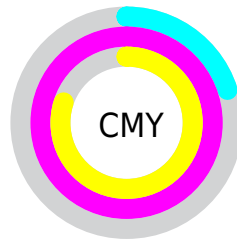
- Red (80%)
- Green (0%)
- Blue (20%)



- Red (80%)
- Yellow (0%)
- Blue (20%)



- Cyan (0%)
- Magenta (100%)
- Yellow (75%)
- Black (20%)





- Cyan (20%)
- Magenta (100%)
- Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 25.4776, 13.0677, 4.1971 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 25.4776, 13.0677, 4.1971 by changing the saturation by 10% instead.


 25.4776, 13.0677,
4.1971


 25.4776, 13.0677,
4.1971


272.5121,
211.3511, 150.3916


 16.5639, 7.4752,
1.7341


 51.8683, 31.4254,
14.4618


 10.0174, 3.7610,
0.3839


 70.0760, 44.9593,
23.1006

 5.4729, 1.5408,
0.0000

 92.1124, 61.9091,
34.6351

 2.5649, 0.3172,
0.0000

 118.3428, 82.6593,
49.4838

 0.9281, 0.0000,
0.0000

 149.1326,
107.5942, 68.0653

 0.0000, 0.0000,
0.0000

 184.8472,

137.0982, 90.7980

225.8519,
171.5557, 118.1006

■ 25.4776, 13.0677,
4.1971

■ 25.4776, 13.0677,
4.1971

■ 25.4767, 13.0673,
4.1934

■ 26.1256, 13.7397,
6.3376

■ 27.1672, 15.0036,
9.2107

■ 28.7045, 17.0492,
12.8950

■ 30.7953, 19.9795,
17.4499

■ 33.4892, 23.8813,
22.9287

■ 36.8298, 28.8311,
29.3805

■ 40.8569, 34.8977,
36.8503

■ 45.6068, 42.1440,
45.3808

■ 51.1132, 50.6282,
55.0116

Harmonies

Analogous

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



27.3638, 13.0677, 16.4107



25.4776, 13.0677, 4.1971



19.7644, 13.0677, 0.7125

Triad

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



25.4776, 13.0677, 4.1971



5.2166, 13.0677, 2.7950



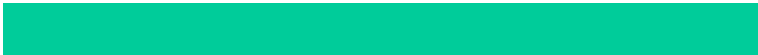
11.7085, 13.0677, 76.6508

Complementary

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



25.4776, 13.0677, 4.1971



27.4296, 45.5203, 37.9312

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.



7.1668, 13.0677, 61.3681



25.4776, 13.0677, 4.1971



4.2382, 13.0677, 12.2489

Square

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



25.4776, 13.0677, 4.1971



8.0742, 13.0677, 0.3669



4.8200, 13.0677, 33.8020



18.0995, 13.0677, 67.0439

Rectangle

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



25.4776, 13.0677, 4.1971



15.2793, 13.0677, 0.0000



4.8200, 13.0677, 33.8020



9.9425, 13.0677, 74.0702

Sweetspot

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



25.4779, 13.0685, 4.1973



67.3654, 57.3423, 60.4839



24.0383, 11.1339, 58.0085



13.7831, 11.3125, 11.7765



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.



25.4779, 13.0685, 4.1973



42.1222, 21.6129, 6.5754



26.0872, 15.2079, 1.5617



11.3231, 11.2580, 12.2362



16.0668, 8.2373, 2.8044



0.8599, 0.4374, 0.3081

Inverse Universe

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



25.4779, 13.0685, 4.1973



42.1222, 21.6129, 6.5754



22.2925, 27.1458, 61.1911



11.3231, 11.2580, 12.2362



16.0668, 8.2373, 2.8044



0.8599, 0.4374, 0.3081

Previews

White Background



This preview shows how the XYZ color 25.4776, 13.0677, 4.1971 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 25.4776, 13.0677, 4.1971 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 25.4776, 13.0677, 4.1971

Background



This preview shows how black text looks on a background with the XYZ color 25.4776, 13.0677, 4.1971.



This preview shows how white text looks on a background with the XYZ color 25.4776, 13.0677,

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

25.4776, 13.0677, 4.1971

Protanopia

12.6758, 13.5880, 8.6113

Deuteranopia

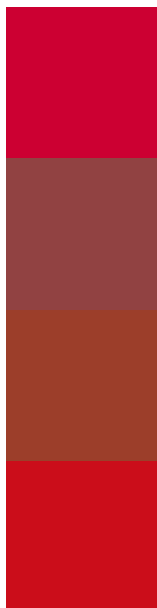
13.7708, 13.5424, 3.7219



Tritanopia

24.9694, 13.2619, 1.6245

Trichromacy



Original Color

25.4776, 13.0677, 4.1971

Protanomaly

14.6086, 10.3095, 6.3742

Deuteranomaly

15.8508, 10.6803, 3.4166

Tritanomaly

24.9590, 13.0589, 2.1824

Monochromacy



Original Color

25.4776, 13.0677, 4.1971

Achromatopsia

5.3350, 5.6128, 6.1124

Achromatomaly

9.0423, 5.8466, 5.0668

CSS Examples

Text

The CSS property to change the color of the text to XYZ 25.4776, 13.0677, 4.1971 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, 50)` looks like.

```
.text, #text, p{  
    color:rgb(204, 0, 50)  
}
```

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, 50) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 0, 50) }
```

Border

The CSS property to change the border of an element to XYZ 25.4776, 13.0677, 4.1971 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, 50) }
```


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

```
.border{ border-color:rgb(204, 0, 50) }
```

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, 50) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 0, 50); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 0, 50);  
box-shadow:4px 4px 4px 4px rgb(204, 0, 50)  
}
```

Background

The CSS property to change the background color of an element to XYZ 25.4776, 13.0677, 4.1971 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, 50) }
```

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

```
.background{ background-color: rgb(204, 0,  
50) }
```

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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