

Converting Colors

XYZ(25.4160, 13.0430, 3.8729)

Have a look what the booklet for
XYZ(25.4160, 13.0430, 3.8729)
contains.

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Color

**XYZ(25.4149, 13.0426,
3.8673)**

Conversions

Conversions Part 1

Format	Color
Hex	CC002F
RGB	204, 0, 47
RGB Percent	80%, 0%, 18%
CMY	0.2000, 0.9998, 0.8157
CMYK	0.00, 1.00, 0.77, 0.20
HSL	346°, 100%, 40%
HSV	346°, 100%, 80%
XYZ	25.4149, 13.0426, 3.8673
YIQ	66.3540, 106.4970, 57.8650

Conversions

Conversions Part 2

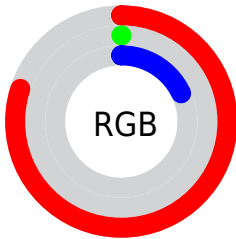
Format	Color
RYB	204, 0, 47
Decimal	13369391
CIELab	42.83, 68.56, 35.68
CIELCh	43, 77.287, 27.498
Yxy	13.0426, 0.6005, 0.3082
Android (android.graphics.Color)	4291559471 (0xFFCC002F)
YUV	66.3540, -9.5415, 120.7155
Hunter-Lab	36.1145, 62.4154, 18.9312

Details

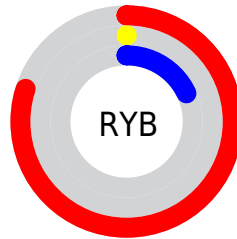
The XYZ color **25.4149, 13.0426, 3.8673** is a dark color, and the websafe version is hex **CC0033**. The color can be described as dark washed red. A complement of this color would be **27.6826, 45.6214, 39.2638**, and the grayscale version is **5.2399, 5.5128, 6.0035**.

A 20% lighter version of the original color is **46.5436, 28.7059, 13.4436**, and **10.9955, 5.6671, 0.5718** is the 20% darker color. If you saturate the color by 10%, you get **25.4141, 13.0422, 3.8638**, and if you desaturate by 10%, it is **26.0486, 13.7089, 5.9325**.

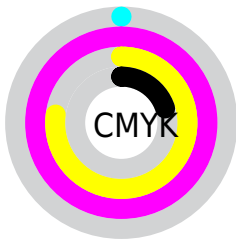
Distribution



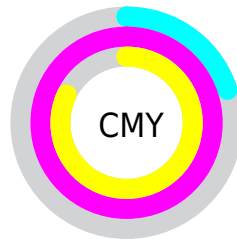
- Red (80%)
- Green (0%)
- Blue (18%)



- Red (80%)
- Yellow (0%)
- Blue (18%)



- Cyan (0%)
- Magenta (100%)
- Yellow (77%)
- Black (20%)





- Cyan (20%)
- Magenta (100%)
- Yellow (82%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 25.4149, 13.0426, 3.8673 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 25.4149, 13.0426, 3.8673 by changing the saturation by 10% instead.


 25.4149, 13.0426,
3.8673


 25.4149, 13.0426,
3.8673


272.2076,
211.1905, 146.7388


 16.5168, 7.4579,
1.5528


 51.7676, 31.3803,
13.7025


 9.9838, 3.7501,
0.2568


 69.9529, 44.9021,
22.0604

 5.4504, 1.5348,
0.0000

 91.9646, 61.8383,
33.2698

 2.5513, 0.3130,
0.0000

 118.1682, 82.5734,
47.7493

 0.9212, 0.0000,
0.0000

 148.9289,
107.4918, 65.9174

 0.0000, 0.0000,
0.0000

 184.6121,

136.9779, 88.1926

225.5833,
171.4160, 114.9936

■ 25.4149, 13.0426,
3.8673

■ 25.4149, 13.0426,
3.8673

■ 25.4141, 13.0422,
3.8638

■ 26.0486, 13.7089,
5.9325

■ 27.0789, 14.9682,
8.7464

■ 28.6087, 17.0109,
12.3912

■ 30.6963, 19.9398,
16.9295

■ 33.3919, 23.8423,
22.4175

■ 36.7397, 28.7949,
28.9066

■ 40.7797, 34.8666,
36.4443

■ 45.5486, 42.1205,
45.0750

■ 51.0805, 50.6149,
54.8406

Harmonies

Analogous

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



27.5196, 13.0426, 15.6663



25.4149, 13.0426, 3.8673



19.5395, 13.0426, 0.6054

Triad

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



25.4149, 13.0426, 3.8673



5.0836, 13.0426, 2.9248



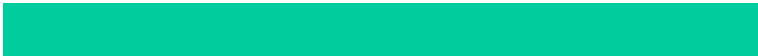
11.9082, 13.0426, 77.5892

Complementary

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



25.4149, 13.0426, 3.8673



27.6826, 45.6214, 39.2638

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.



7.2488, 13.0426, 62.9439



25.4149, 13.0426, 3.8673



4.1704, 13.0426, 12.8304

Square

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



25.4149, 13.0426, 3.8673



7.8649, 13.0426, 0.3695



4.8153, 13.0426, 35.0818



18.4013, 13.0426, 66.8465

Rectangle

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



25.4149, 13.0426, 3.8673



15.0160, 13.0426, 0.0000



4.8153, 13.0426, 35.0818



10.1011, 13.0426, 75.3197

Sweetspot

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



25.4152, 13.0434, 3.8675



67.2367, 57.2908, 59.8064



24.6891, 11.4694, 58.0388



13.7534, 11.3006, 11.6200



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.



25.4152, 13.0434, 3.8675



42.0219, 21.5728, 6.0474



26.2412, 15.5160, 1.6131



11.3164, 11.2553, 12.2007



16.0260, 8.2210, 2.5895



0.8568, 0.4361, 0.2919

Inverse Universe

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



25.4152, 13.0434, 3.8675



42.0219, 21.5728, 6.0474



21.7439, 26.0486, 61.0081



11.3164, 11.2553, 12.2007



16.0260, 8.2210, 2.5895



0.8568, 0.4361, 0.2919

Previews

White Background



This preview shows how the XYZ color 25.4149, 13.0426, 3.8673 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 25.4149, 13.0426, 3.8673

Background



This preview shows how black text looks on a background with the XYZ color 25.4149, 13.0426, 3.8673.



This preview shows how white text looks on a background with the XYZ color 25.4149, 13.0426,

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

25.4149, 13.0426, 3.8673

Protanopia

12.6697, 13.6002, 7.9186

Deuteranopia

13.7097, 13.5180, 3.4000



Tritanopia

24.9335, 13.2187, 1.5245

Trichromacy



Original Color

25.4149, 13.0426, 3.8673

Protanomaly

14.4948, 10.2640, 5.7746

Deuteranomaly

15.7991, 10.6597, 3.1443

Tritanomaly

24.9272, 13.0462, 2.0150

Monochromacy



Original Color

25.4149, 13.0426, 3.8673

Achromatopsia

5.1784, 5.4480, 5.9329

Achromatomaly

8.8198, 5.6847, 4.7701

CSS Examples

Text

The CSS property to change the color of the text to XYZ 25.4149, 13.0426, 3.8673 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, 47)` looks like.

```
.text, #text, p{  
    color:rgb(204, 0, 47)  
}
```

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, 47) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 0, 47) }
```

Border

The CSS property to change the border of an element to XYZ 25.4149, 13.0426, 3.8673 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, 47) }
```


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

```
.border{ border-color:rgb(204, 0, 47) }
```

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, 47)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 0, 47); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 0, 47);  
box-shadow:4px 4px 4px 4px rgb(204, 0, 47)  
}
```

Background

The CSS property to change the background color of an element to XYZ 25.4149, 13.0426, 3.8673 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, 47) }
```

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

```
.background{ background-color: rgb(204, 0,  
47) }
```

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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