

Converting Colors

XYZ(25.4133, 12.9661, 2.2993)

Have a look what the booklet for
XYZ(25.4133, 12.9661, 2.2993)
contains.

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Color

**XYZ(25.3986, 13.0678,
2.3461)**

Conversions

Conversions Part 1

Format	Color
Hex	CD001D
RGB	205, 0, 29
RGB Percent	80%, 0%, 11%
CMY	0.1961, 0.9998, 0.8863
CMYK	0.00, 1.00, 0.86, 0.20
HSL	352°, 100%, 40%
HSV	352°, 100%, 80%
XYZ	25.3986, 13.0678, 2.3461
YIQ	64.6010, 112.8710, 52.4790

Conversions

Conversions Part 2

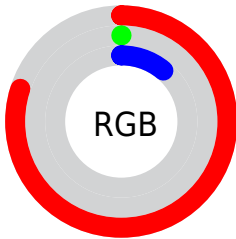
Format	Color
RYB	205, 0, 29
Decimal	13434909
CIELab	42.87, 68.32, 45.84
CIElCh	43, 82.275, 33.858
Yxy	13.0678, 0.6223, 0.3202
Android (android.graphics.Color)	4291624989 (0xFFCD001D)
YUV	64.6010, -17.5513, 123.1299
Hunter-Lab	36.1494, 62.1527, 21.4567

Details

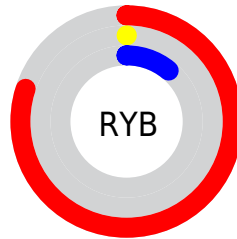
The XYZ color **25.3986, 13.0678, 2.3461** is a dark color, and the websafe version is hex **CC0000**. The color can be described as dark washed red. A complement of this color would be **29.6721, 46.7987, 48.5639**, and the grayscale version is **4.9809, 5.2403, 5.7066**.

A 20% lighter version of the original color is **45.8378, 28.4236, 9.7270**, and **10.9845, 5.6627, 0.5141** is the 20% darker color. If you saturate the color by 10%, you get **25.3980, 13.0676, 2.3438**, and if you desaturate by 10%, it is **25.9416, 13.7007, 3.9249**.

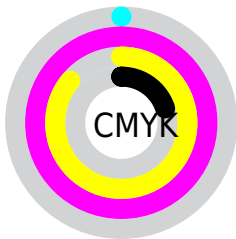
Distribution



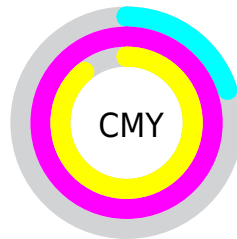
- Red (80%)
- Green (0%)
- Blue (11%)



- Red (80%)
- Yellow (0%)
- Blue (11%)



- Cyan (0%)
- Magenta (100%)
- Yellow (86%)
- Black (20%)





- Cyan (20%)
- Magenta (100%)
- Yellow (89%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 25.3986, 13.0678, 2.3461 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 25.3986, 13.0678, 2.3461 by changing the saturation by 10% instead.


 25.3986, 13.0678,
2.3461


 25.3986, 13.0678,
2.3461


272.1284,
211.3517, 127.5386


 16.5046, 7.4753,
0.7569


 51.7414, 31.4255,
9.9671


 9.9750, 3.7611,
0.0000


 69.9209, 44.9595,
16.8504

 5.4445, 1.5408,
0.0000

 91.9262, 61.9094,
26.3404

 2.5478, 0.3172,
0.0000

 118.1228, 82.6597,
38.8556


 0.9194, 0.0000,
0.0000


 148.8759,
107.5946, 54.8144


 0.0000, 0.0000,
0.0000


 184.5510,


137.0987, 74.6355


 225.5134,
171.5563, 98.7374


 25.3986, 13.0678,
2.3461


 25.3986, 13.0678,
2.3461


 25.3980, 13.0676,
2.3438

 25.9416, 13.7007,
3.9249

 26.9023, 14.9403,
6.3473

 28.3902, 16.9809,
9.7263

 30.4690, 19.9285,
14.1492

 33.1932, 23.8731,
19.6935

■ 36.6112, 28.8936,
26.4294

■ 40.7663, 35.0610,
34.4210

■ 45.6987, 42.4401,
43.7280

■ 51.4455, 51.0912,
54.4061

Harmonies

Analogous

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



28.7966, 13.0678, 12.0252



25.3986, 13.0678, 2.3461



18.5410, 13.0678, 0.0033

Triad

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



25.3986, 13.0678, 2.3461



4.4250, 13.0678, 3.7795



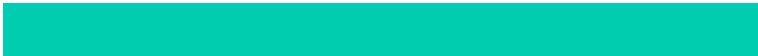
13.2513, 13.0678, 84.2076

Complementary

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



25.3986, 13.0678, 2.3461



29.6721, 46.7987, 48.5639

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.



7.8213, 13.0678, 73.3824



25.3986, 13.0678, 2.3461



3.8449, 13.0678, 16.6860

Square

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



25.3986, 13.0678, 2.3461



6.8318, 13.0678, 0.3903



4.8462, 13.0678, 43.5256



20.4415, 13.0678, 66.6499

Rectangle

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



25.3986, 13.0678, 2.3461



13.7587, 13.0678, 0.0000



4.8462, 13.0678, 43.5256



11.1721, 13.0678, 83.8148

Sweetspot

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



25.3989, 13.0686, 2.3463



66.4790, 56.9877, 55.8162



28.5324, 13.4367, 58.8469



13.5793, 11.2309, 10.7032



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.



25.3989, 13.0686, 2.3463



41.5589, 21.3876, 3.6093



27.4798, 17.5850, 1.9471



11.2758, 11.2391, 11.9871



15.8324, 8.1436, 1.5703



0.8382, 0.4287, 0.1938

Inverse Universe

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



25.3989, 13.0686, 2.3463



41.5589, 21.3876, 3.6093



19.4436, 21.2554, 60.8351



11.2758, 11.2391, 11.9871



15.8324, 8.1436, 1.5703



0.8382, 0.4287, 0.1938

Previews

White Background



This preview shows how the XYZ color 25.3986, 13.0678, 2.3461 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 25.3986, 13.0678, 2.3461

Background



This preview shows how black text looks on a background with the XYZ color 25.3986, 13.0678, 2.3461.



This preview shows how white text looks on a background with the XYZ color 25.3986, 13.0678,

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

25.3986, 13.0678, 2.3461

Protanopia

12.5540, 13.7589, 4.7904

Deuteranopia

13.7278, 13.5607, 1.8939



Tritanopia

25.1347, 13.3031, 1.2430

Trichromacy



Original Color

25.3986, 13.0678, 2.3461

Protanomaly

14.5612, 10.3524, 3.3286

Deuteranomaly

15.8836, 10.7385, 1.5522

Tritanomaly

25.0937, 13.1245, 1.5273

Monochromacy



Original Color

25.3986, 13.0678, 2.3461

Achromatopsia

5.0244, 5.2861, 5.7565

Achromatomaly

8.6152, 5.5468, 3.8654

CSS Examples

Text

The CSS property to change the color of the text to XYZ 25.3986, 13.0678, 2.3461 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(205, 0, 29)` looks like.

```
.text, #text, p{  
  color:rgb(205, 0, 29)  
}
```

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(205, 0, 29) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 0, 29) }
```

Border

The CSS property to change the border of an element to XYZ 25.3986, 13.0678, 2.3461 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(205, 0, 29) }
```


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

```
.border{ border-color:rgb(205, 0, 29) }
```

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

Here you see how a box with a 4 pixel rgb(205, 0, 29) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(205, 0, 29); -webkit-box-  
shadow:4px 4px 4px 4px rgb(205, 0, 29);  
box-shadow:4px 4px 4px 4px rgb(205, 0, 29)  
}
```

Background

The CSS property to change the background color of an element to XYZ 25.3986, 13.0678, 2.3461 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 0, 29) }
```

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

```
.background{ background-color: rgb(205, 0,  
29) }
```

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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