

Converting Colors

XYZ(25.7175, 13.1636, 5.4605)

Have a look what the booklet for
XYZ(25.7175, 13.1636, 5.4605)
contains.

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Color

**XYZ(25.7175, 13.1636,
5.4603)**

Conversions

Conversions Part 1

Format	Color
Hex	CC003C
RGB	204, 0, 60
RGB Percent	80%, 0%, 24%
CMY	0.2000, 0.9998, 0.7647
CMYK	0.00, 1.00, 0.71, 0.20
HSL	342°, 100%, 40%
HSV	342°, 100%, 80%
XYZ	25.7175, 13.1636, 5.4603
YIQ	67.8360, 102.3240, 61.9080

Conversions

Conversions Part 2

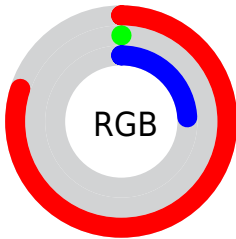
Format	Color
RYB	204, 0, 60
Decimal	13369404
CIELab	43.01, 69.05, 27.99
CIELCh	43, 74.503, 22.063
Yxy	13.1636, 0.5800, 0.2969
Android (android.graphics.Color)	4291559484 (0xFFCC003C)
YUV	67.8360, -3.8631, 119.4158
Hunter-Lab	36.2817, 63.0330, 16.4742

Details

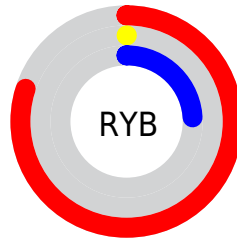
The XYZ color **25.7175, 13.1636, 5.4603** is a dark color, and the websafe version is hex **CC0033**. The color can be described as dark washed red. A complement of this color would be **26.6303, 45.2007, 33.7223**, and the grayscale version is **5.4660, 5.7507, 6.2625**.

A 20% lighter version of the original color is **47.2216, 28.9771, 17.0142**, and **11.1020, 5.7097, 1.1330** is the 20% darker color. If you saturate the color by 10%, you get **25.7166, 13.1633, 5.4565**, and if you desaturate by 10%, it is **26.4094, 13.8531, 7.8319**.

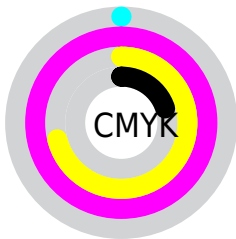
Distribution



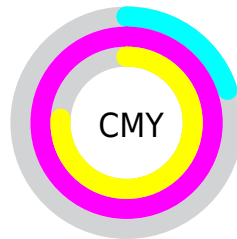
- Red (80%)
- Green (0%)
- Blue (24%)



- Red (80%)
- Yellow (0%)
- Blue (24%)



- Cyan (0%)
- Magenta (100%)
- Yellow (71%)
- Black (20%)





- Cyan (20%)
- Magenta (100%)
- Yellow (76%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 25.7175, 13.1636, 5.4603 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 25.7175, 13.1636, 5.4603 by changing the saturation by 10% instead.

 25.7175, 13.1636,
5.4603


 25.7175, 13.1636,
5.4603


273.6747,
211.9635, 163.2881


 16.7440, 7.5413,
2.4564


 52.2534, 31.5974,
17.2579


 10.1463, 3.8029,
0.8169


 70.5465, 45.1777,
26.8886

 5.5591, 1.5639,
0.0000

 92.6769, 62.1794,
39.5653

 2.6170, 0.3331,
0.0000

 119.0098, 82.9869,
55.7066

 0.9546, 0.0000,
0.0000

 149.9107,
107.9847, 75.7310

 0.0000, 0.0000,
0.0000

 185.7450,

137.5572, 100.0570

226.8778,
172.0886, 129.1032

■ 25.7175, 13.1636,
5.4603

■ 25.7175, 13.1636,
5.4603

■ 25.7166, 13.1633,
5.4565

■ 26.4094, 13.8531,
7.8319

■ 27.4842, 15.1301,
10.8803

■ 29.0420, 17.1839,
14.6730

■ 31.1389, 20.1164,
19.2603

■ 33.8228, 24.0141,
24.6873

■ 37.1361, 28.9528,
30.9955

■ 41.1172, 35.0009,
38.2235

■ 45.8012, 42.2206,
46.4073

■ 51.2207, 50.6699,
55.5811

Harmonies

Analogous

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



26.8655, 13.1636, 19.1351



25.7175, 13.1636, 5.4603



20.5613, 13.1636, 1.0806

Triad

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



25.7175, 13.1636, 5.4603



5.6892, 13.1636, 2.3819



11.0541, 13.1636, 73.6062

Complementary

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



25.7175, 13.1636, 5.4603



26.6303, 45.2007, 33.7223

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.



6.8964, 13.1636, 56.2715



25.7175, 13.1636, 5.4603



4.4759, 13.1636, 10.4100

Square

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



25.7175, 13.1636, 5.4603



8.8194, 13.1636, 0.3570



4.8379, 13.1636, 29.7126



17.1126, 13.1636, 67.8000

Rectangle

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



25.7175, 13.1636, 5.4603



16.2122, 13.1636, 0.2287



4.8379, 13.1636, 29.7126



9.4219, 13.1636, 70.0089

Sweetspot

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



25.7178, 13.1644, 5.4605



67.8015, 57.5167, 62.7802



22.1946, 10.1833, 57.9223



13.8841, 11.3529, 12.3084



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.



25.7178, 13.1644, 5.4605



42.5088, 21.7675, 8.6115



25.6891, 14.4117, 1.4289



11.3457, 11.2670, 12.3553



16.2222, 8.2995, 3.6226



0.8704, 0.4416, 0.3634

Inverse Universe

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



25.7178, 13.1644, 5.4605



42.5088, 21.7675, 8.6115



24.0336, 30.6281, 61.7717



11.3457, 11.2670, 12.3553



16.2222, 8.2995, 3.6226



0.8704, 0.4416, 0.3634

Previews

White Background



This preview shows how the XYZ color 25.7175, 13.1636, 5.4603 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 25.7175, 13.1636, 5.4603 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 25.7175, 13.1636, 5.4603

Background



This preview shows how black text looks on a background with the XYZ color 25.7175, 13.1636, 5.4603.



This preview shows how white text looks on a background with the XYZ color 25.7175, 13.1636,

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

25.7175, 13.1636, 5.4603

Protanopia

13.0602, 13.8731, 11.4406

Deuteranopia

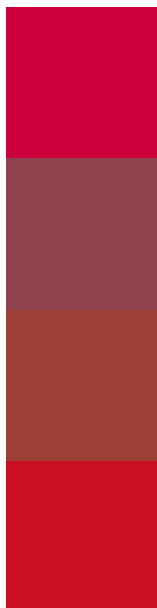
13.9397, 13.7432, 4.9356



Tritanopia

25.0728, 13.3968, 1.8805

Trichromacy



Original Color

25.7175, 13.1636, 5.4603

Protanomaly

14.8250, 10.3758, 8.4291

Deuteranomaly

16.1537, 10.8893, 4.7405

Tritanomaly

25.0882, 13.1537, 2.7300

Monochromacy



Original Color

25.7175, 13.1636, 5.4603

Achromatopsia

5.4944, 5.7805, 6.2950

Achromatomaly

9.1541, 5.8913, 5.6557

CSS Examples

Text

The CSS property to change the color of the text to XYZ 25.7175, 13.1636, 5.4603 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, 60)` looks like.

```
.text, #text, p{  
    color:rgb(204, 0, 60)  
}
```

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, 60) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 0, 60) }
```

Border

The CSS property to change the border of an element to XYZ 25.7175, 13.1636, 5.4603 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, 60) }
```


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

```
.border{ border-color:rgb(204, 0, 60) }
```

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, 60)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 0, 60); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 0, 60);  
box-shadow:4px 4px 4px 4px rgb(204, 0, 60)  
}
```

Background

The CSS property to change the background color of an element to XYZ 25.7175, 13.1636, 5.4603 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, 60) }
```

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

```
.background{ background-color: rgb(204, 0,  
60) }
```

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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