

Converting Colors

XYZ(25.7583, 13.1800, 5.6756)

Have a look what the booklet for
XYZ(25.7583, 13.1800, 5.6756)
contains.

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Color

**XYZ(25.7713, 13.1852,
5.7441)**

Conversions

Conversions Part 1

Format	Color
Hex	CC003E
RGB	204, 0, 62
RGB Percent	80%, 0%, 24%
CMY	0.2000, 0.9998, 0.7569
CMYK	0.00, 1.00, 0.70, 0.20
HSL	342°, 100%, 40%
HSV	342°, 100%, 80%
XYZ	25.7713, 13.1852, 5.7441
YIQ	68.0640, 101.6820, 62.5300

Conversions

Conversions Part 2

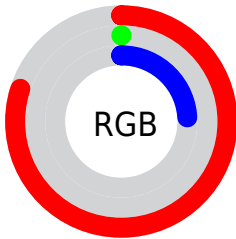
Format	Color
RYB	204, 0, 62
Decimal	13369406
CIELab	43.04, 69.13, 26.79
CIELCh	43, 74.141, 21.178
Yxy	13.1852, 0.5765, 0.2950
Android (android.graphics.Color)	4291559486 (0xFFCC003E)
YUV	68.0640, -2.9896, 119.2159
Hunter-Lab	36.3114, 63.1417, 16.0389

Details

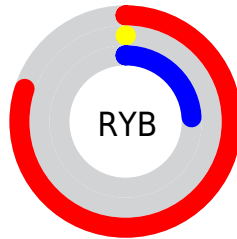
The XYZ color **25.7713, 13.1852, 5.7441** is a dark color, and the websafe version is hex **CC0033**. The color can be described as dark washed red. A complement of this color would be **26.4790, 45.1399, 32.9258**, and the grayscale version is **5.5019, 5.7884, 6.3035**.

A 20% lighter version of the original color is **47.3281, 29.0197, 17.5749**, and **11.1199, 5.7169, 1.2268** is the 20% darker color. If you saturate the color by 10%, you get **25.7703, 13.1847, 5.7396**, and if you desaturate by 10%, it is **26.4713, 13.8780, 8.1581**.

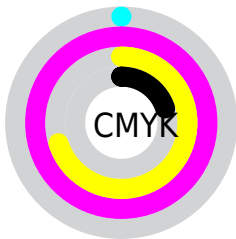
Distribution



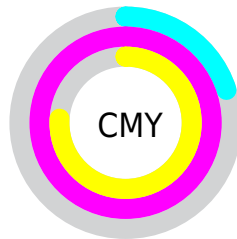
- Red (80%)
- Green (0%)
- Blue (24%)



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



- Cyan (0%)
- Magenta (100%)
- Yellow (70%)
- Black (20%)





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

Brightness & Saturation Gradients

These gradients show how the XYZ color 25.7713, 13.1852, 5.7441 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 25.7713, 13.1852, 5.7441 by changing the saturation by 10% instead.


 25.7713, 13.1852,
5.7441


 25.7713, 13.1852,
5.7441


273.9349,
212.1012, 165.9911


 16.7844, 7.5562,
2.6238


 52.3397, 31.6361,
17.8658


 10.1752, 3.8123,
0.9047


 70.6519, 45.2268,
27.7043

 5.5785, 1.5691,
0.0000

 92.8033, 62.2402,
40.6194

 2.6287, 0.3367,
0.0000

 119.1592, 83.0606,
57.0294

 0.9606, 0.0000,
0.0000

 150.0849,
108.0726, 77.3531

 0.0000, 0.0000,
0.0000

 185.9459,

137.6604, 102.0089

227.1075,
172.2085, 131.4154

■ 25.7713, 13.1852,
5.7441

■ 25.7713, 13.1852,
5.7441

■ 25.7703, 13.1847,
5.7396

■ 26.4713, 13.8780,
8.1581

■ 27.5520, 15.1575,
11.2373

■ 29.1132, 17.2128,
15.0475

■ 31.2107, 20.1458,
19.6372

■ 33.8921, 24.0426,
25.0502

■ 37.1995, 28.9792,
31.3266

■ 41.1710, 35.0236,
38.5036

■ 45.8416, 42.2382,
46.6164

■ 51.2437, 50.6808,
55.6979

Harmonies

Analogous

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



26.7707, 13.1852, 19.7245



25.7713, 13.1852, 5.7441



20.7291, 13.1852, 1.1619

Triad

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



25.7713, 13.1852, 5.7441



5.7889, 13.1852, 2.3037



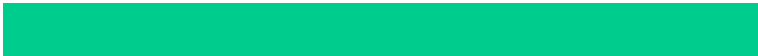
10.9263, 13.1852, 73.0165

Complementary

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



25.7713, 13.1852, 5.7441



26.4790, 45.1399, 32.9258

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.



6.8434, 13.1852, 55.2875



25.7713, 13.1852, 5.7441



4.5255, 13.1852, 10.0631

Square

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



25.7713, 13.1852, 5.7441



8.9769, 13.1852, 0.3548



4.8421, 13.1852, 28.9327



16.9203, 13.1852, 67.9691

Rectangle

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



25.7713, 13.1852, 5.7441



16.4084, 13.1852, 0.2819



4.8421, 13.1852, 28.9327



9.3201, 13.1852, 69.2210

Sweetspot

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



25.7716, 13.1860, 5.7443



67.8898, 57.5520, 63.2453



21.6161, 9.8852, 57.8950



13.9046, 11.3611, 12.4164



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.



25.7716, 13.1860, 5.7443



42.5959, 21.8024, 9.0701



25.5771, 14.1878, 1.3918



11.3503, 11.2688, 12.3792



16.2568, 8.3133, 3.8051



0.8726, 0.4425, 0.3751

Inverse Universe

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



25.7716, 13.1860, 5.7443



42.5959, 21.8024, 9.0701



24.6465, 31.8537, 61.9756



11.3503, 11.2688, 12.3792



16.2568, 8.3133, 3.8051



0.8726, 0.4425, 0.3751

Previews

White Background



This preview shows how the XYZ color 25.7713, 13.1852, 5.7441 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 25.7713, 13.1852, 5.7441 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 25.7713, 13.1852, 5.7441

Background



This preview shows how black text looks on a background with the XYZ color 25.7713, 13.1852, 5.7441.



This preview shows how white text looks on a background with the XYZ color 25.7713, 13.1852,

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

25.7713, 13.1852, 5.7441

Protanopia

13.1888, 13.9245, 12.1178

Deuteranopia

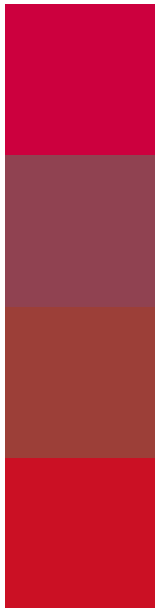
13.9838, 13.7608, 5.1679



Tritanopia

25.1116, 13.4459, 1.9813

Trichromacy



Original Color

25.7713, 13.1852, 5.7441

Protanomaly

14.9350, 10.4198, 9.0086

Deuteranomaly

16.2016, 10.9085, 4.9930

Tritanomaly

25.1323, 13.1945, 2.8912

Monochromacy



Original Color

25.7713, 13.1852, 5.7441

Achromatopsia

5.4944, 5.7805, 6.2950

Achromatomaly

9.1834, 5.9030, 5.8096

CSS Examples

Text

The CSS property to change the color of the text to XYZ 25.7713, 13.1852, 5.7441 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, 62)` looks like.

```
.text, #text, p{  
    color:rgb(204, 0, 62)  
}
```

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, 62) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 0, 62) }
```

Border

The CSS property to change the border of an element to XYZ 25.7713, 13.1852, 5.7441 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, 62) }
```


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

```
.border{ border-color:rgb(204, 0, 62) }
```

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, 62)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 0, 62); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 0, 62);  
box-shadow:4px 4px 4px 4px rgb(204, 0, 62)  
}
```

Background

The CSS property to change the background color of an element to XYZ 25.7713, 13.1852, 5.7441 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, 62) }
```

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

```
.background{ background-color: rgb(204, 0,  
62) }
```

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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