

Converting Colors

XYZ(25.6581, 13.1399, 5.1479)

Have a look what the booklet for
XYZ(25.6581, 13.1399, 5.1479)
contains.

XYZ(25.6656, 13.1429, 5.1871)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(25.6656, 13.1429,
5.1871)**

Conversions

Conversions Part 1

Format	Color
Hex	CC003A
RGB	204, 0, 58
RGB Percent	80%, 0%, 23%
CMY	0.2000, 0.9998, 0.7725
CMYK	0.00, 1.00, 0.72, 0.20
HSL	343°, 100%, 40%
HSV	343°, 100%, 80%
XYZ	25.6656, 13.1429, 5.1871
YIQ	67.6080, 102.9660, 61.2860

Conversions

Conversions Part 2

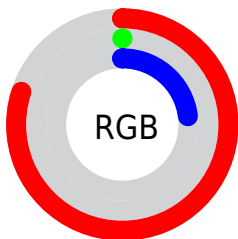
Format	Color
RYB	204, 0, 58
Decimal	13369402
CIELab	42.98, 68.96, 29.18
CIELCh	43, 74.884, 22.937
Yxy	13.1429, 0.5834, 0.2987
Android (android.graphics.Color)	4291559482 (0xFFCC003A)
YUV	67.6080, -4.7367, 119.6158
Hunter-Lab	36.2531, 62.9270, 16.8940

Details

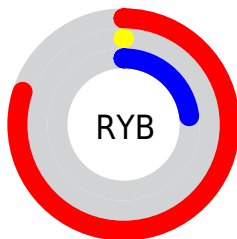
The XYZ color **25.6656, 13.1429, 5.1871** is a dark color, and the websafe version is hex **CC0033**. The color can be described as dark washed red. A complement of this color would be **26.7849, 45.2624, 34.5363**, and the grayscale version is **5.4312, 5.7140, 6.2226**.

A 20% lighter version of the original color is **47.1176, 28.9355, 16.4663**, and **11.0857, 5.7032, 1.0469** is the 20% darker color. If you saturate the color by 10%, you get **25.6646, 13.1425, 5.1830**, and if you desaturate by 10%, it is **26.3492, 13.8292, 7.5151**.

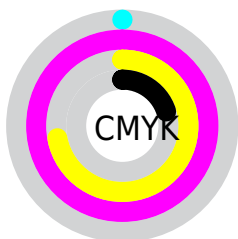
Distribution



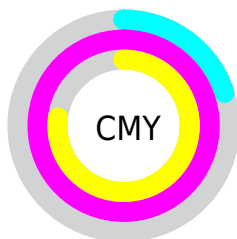
- Red (80%)
- Green (0%)
- Blue (23%)



- Red (80%)
- Yellow (0%)
- Blue (23%)



- Cyan (0%)
- Magenta (100%)
- Yellow (72%)
- Black (20%)





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

Brightness & Saturation Gradients

These gradients show how the XYZ color 25.6656, 13.1429, 5.1871 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 25.6656, 13.1429, 5.1871 by changing the saturation by 10% instead.


 25.6656, 13.1429,
5.1871

 25.6656, 13.1429,
5.1871


273.4236,
211.8315, 160.6254

 16.7050, 7.5270,
2.2968


 52.1701, 31.5603,
16.6663

 10.1184, 3.7938,
0.7294

 70.4448, 45.1306,
26.0923

 5.5404, 1.5589,
0.0000

 92.5549, 62.1211,
38.5339

 2.6057, 0.3297,
0.0000

 118.8657, 82.9163,
54.4097

 0.9488, 0.0000,
0.0000

 149.7426,
107.9005, 74.1382

 0.0000, 0.0000,
0.0000

 185.5510,

137.4582, 98.1379

226.6562,
171.9737, 126.8275

■ 25.6656, 13.1429,
5.1871

■ 25.6656, 13.1429,
5.1871

■ 25.6646, 13.1425,
5.1830

■ 26.3492, 13.8292,
7.5151

■ 27.4180, 15.1039,
10.5313

■ 28.9723, 17.1563,
14.3054

■ 31.0686, 20.0888,
18.8891

■ 33.7551, 23.9876,
24.3292

■ 37.0744, 28.9289,
30.6686

■ 41.0652, 34.9809,
37.9470

■ 45.7627, 42.2063,
46.2018

■ 51.1999, 50.6628,
55.4682

Harmonies

Analogous

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



26.9621, 13.1429, 18.5605



25.6656, 13.1429, 5.1871



20.3963, 13.1429, 1.0034

Triad

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



25.6656, 13.1429, 5.1871



5.5913, 13.1429, 2.4618



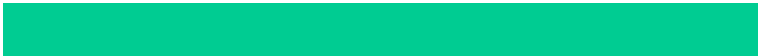
11.1831, 13.1429, 74.2022

Complementary

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



25.6656, 13.1429, 5.1871



26.7849, 45.2624, 34.5363

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.



6.9500, 13.1429, 57.2679



25.6656, 13.1429, 5.1871



4.4271, 13.1429, 10.7643

Square

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



25.6656, 13.1429, 5.1871



8.6647, 13.1429, 0.3591



4.8341, 13.1429, 30.5059



17.3069, 13.1429, 67.6362

Rectangle

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



25.6656, 13.1429, 5.1871



16.0191, 13.1429, 0.1756



4.8341, 13.1429, 30.5059



9.5247, 13.1429, 70.8052

Sweetspot

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



25.6659, 13.1437, 5.1873



67.7133, 57.4814, 62.3160



22.1948, 10.1835, 57.9222



13.8636, 11.3447, 12.2007



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.



25.6659, 13.1437, 5.1873



42.4248, 21.7339, 8.1692



25.6892, 14.4119, 1.4290



11.3412, 11.2652, 12.3314



16.1886, 8.2860, 3.4461



0.8682, 0.4407, 0.3520

Inverse Universe

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



25.6659, 13.1437, 5.1873



42.4248, 21.7339, 8.1692



24.0338, 30.6283, 61.7716



11.3412, 11.2652, 12.3314



16.1886, 8.2860, 3.4461



0.8682, 0.4407, 0.3520

Previews

White Background



This preview shows how the XYZ color 25.6656, 13.1429, 5.1871 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 25.6656, 13.1429, 5.1871 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 25.6656, 13.1429, 5.1871

Background



This preview shows how black text looks on a background with the XYZ color 25.6656, 13.1429, 5.1871.



This preview shows how white text looks on a background with the XYZ color 25.6656, 13.1429,

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

25.6656, 13.1429, 5.1871

Protanopia

13.0604, 13.8875, 10.7963

Deuteranopia

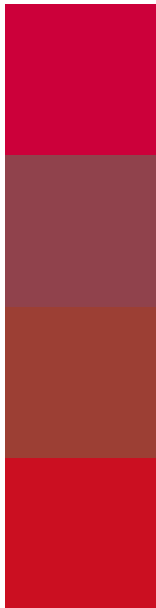
13.8974, 13.7263, 4.7133



Tritanopia

25.0644, 13.3935, 1.8364

Trichromacy



Original Color

25.6656, 13.1429, 5.1871

Protanomaly

14.7543, 10.3475, 8.0571

Deuteranomaly

16.1076, 10.8709, 4.4981

Tritanomaly

25.0739, 13.1480, 2.6551

Monochromacy



Original Color

25.6656, 13.1429, 5.1871

Achromatopsia

5.4944, 5.7805, 6.2950

Achromatomaly

9.1254, 5.8798, 5.5044

CSS Examples

Text

The CSS property to change the color of the text to XYZ 25.6656, 13.1429, 5.1871 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, 58)` looks like.

```
.text, #text, p{  
    color:rgb(204, 0, 58)  
}
```

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, 58) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 0, 58) }
```

Border

The CSS property to change the border of an element to XYZ 25.6656, 13.1429, 5.1871 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, 58) }
```


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

```
.border{ border-color:rgb(204, 0, 58) }
```

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, 58)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 0, 58); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 0, 58);  
box-shadow:4px 4px 4px 4px rgb(204, 0, 58)  
}
```

Background

The CSS property to change the background color of an element to XYZ 25.6656, 13.1429, 5.1871 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, 58) }
```

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

```
.background{ background-color: rgb(204, 0,  
58) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor