

Converting Colors

XYZ(25.2463, 12.9272, 5.1462)

Have a look what the booklet for
XYZ(25.2463, 12.9272, 5.1462)
contains.

XYZ(25.1208, 12.8620, 5.1616)	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(25.1208, 12.8620,
5.1616)**

Conversions

Conversions Part 1

Format	Color
Hex	CA003A
RGB	202, 0, 58
RGB Percent	79%, 0%, 23%
CMY	0.2078, 0.9998, 0.7725
CMYK	0.00, 1.00, 0.71, 0.21
HSL	343°, 100%, 40%
HSV	343°, 100%, 79%
XYZ	25.1208, 12.8620, 5.1616
YIQ	67.0100, 101.7740, 60.8620

Conversions

Conversions Part 2

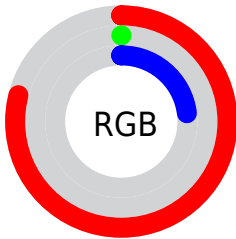
Format	Color
RYB	202, 0, 58
Decimal	13238330
CIELab	42.55, 68.48, 28.57
CIELCh	43, 74.206, 22.647
Yxy	12.8620, 0.5822, 0.2981
Android (android.graphics.Color)	4291428410 (0xFFCA003A)
YUV	67.0100, -4.4419, 118.3862
Hunter-Lab	35.8636, 62.2696, 16.5713

Details

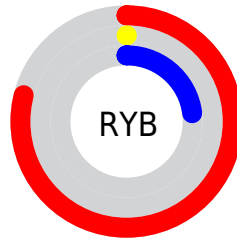
The XYZ color **25.1208, 12.8620, 5.1616** is a dark color, and the websafe version is hex **CC0033**. The color can be described as dark washed red. A complement of this color would be **26.1579, 44.2558, 33.5646**, and the grayscale version is **5.3355, 5.6134, 6.1130**.

A 20% lighter version of the original color is **47.1176, 28.9355, 16.4663**, and **10.7486, 5.5294, 1.0311** is the 20% darker color. If you saturate the color by 10%, you get **25.1199, 12.8617, 5.1578**, and if you desaturate by 10%, it is **25.7942, 13.5384, 7.4537**.

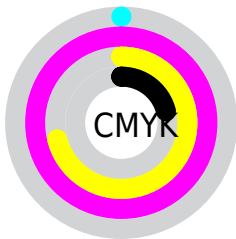
Distribution



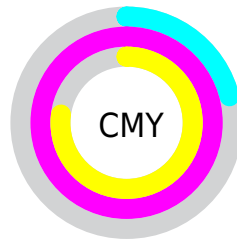
- Red (79%)
- Green (0%)
- Blue (23%)



- Red (79%)
- Yellow (0%)
- Blue (23%)



- Cyan (0%)
- Magenta (100%)
- Yellow (71%)
- Black (21%)





- Cyan (21%)
- Magenta (100%)
- Yellow (77%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 25.1208, 12.8620, 5.1616 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 25.1208, 12.8620, 5.1616 by changing the saturation by 10% instead.


 25.1208, 12.8620,
5.1616


 25.1208, 12.8620,
5.1616


270.7756,
210.0313, 160.3737


 16.2963, 7.3336,
2.2820


 51.2946, 31.0556,
16.6107


 9.8262, 3.6716,
0.7211


 69.3746, 44.4897,
26.0173

 5.3453, 1.4916,
0.0000

 91.2705, 61.3277,
38.4367

 2.4881, 0.2828,
0.0000

 117.3476, 81.9540,
54.2874

 0.8892, 0.0000,
0.0000

 147.9713,
106.7532, 73.9878

 0.0000, 0.0000,
0.0000

 183.5070,

136.1096, 97.9567

224.3199,
170.4075, 126.6124

■ 25.1208, 12.8620,
5.1616

■ 25.1208, 12.8620,
5.1616

■ 25.1199, 12.8617,
5.1578

■ 25.7942, 13.5384,
7.4537

■ 26.8430, 14.7888,
10.4150

■ 28.3657, 16.7993,
14.1131

■ 30.4172, 19.6694,
18.5981

■ 33.0446, 23.4835,
23.9151

■ 36.2894, 28.3158,
30.1057

■ 40.1890, 34.2329,
37.2082

■ 44.7781, 41.2959,
45.2588

■ 50.0886, 49.5611,
54.2915

Harmonies

Analogous

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



26.3405, 12.8620, 18.3403



25.1208, 12.8620, 5.1616



20.0036, 12.8620, 1.0062

Triad

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



25.1208, 12.8620, 5.1616



5.5007, 12.8620, 2.3817



10.8962, 12.8620, 72.3837

Complementary

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



25.1208, 12.8620, 5.1616



26.1579, 44.2558, 33.5646

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.



6.7804, 12.8620, 55.6885



25.1208, 12.8620, 5.1616



4.3461, 12.8620, 10.4124

Square

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



25.1208, 12.8620, 5.1616



8.5253, 12.8620, 0.3416



4.7295, 12.8620, 29.5782



16.8646, 12.8620, 66.2093

Rectangle

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



25.1208, 12.8620, 5.1616



15.7313, 12.8620, 0.1777



4.7295, 12.8620, 29.5782



9.2826, 12.8620, 68.9954

Sweetspot

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



25.1211, 12.8628, 5.1618



67.7386, 57.4916, 62.4495



21.7156, 9.9639, 56.6554



13.8695, 11.3470, 12.2316



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.



25.1211, 12.8628, 5.1618



42.4487, 21.7435, 8.2948



25.1306, 14.1034, 1.3988



11.3425, 11.2657, 12.3383



16.1982, 8.2899, 3.4962



0.8689, 0.4409, 0.3552

Inverse Universe

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



25.1211, 12.8628, 5.1618



42.4487, 21.7435, 8.2948



23.5124, 29.9670, 60.4217



11.3425, 11.2657, 12.3383



16.1982, 8.2899, 3.4962



0.8689, 0.4409, 0.3552

Previews

White Background



This preview shows how the XYZ color 25.1208, 12.8620, 5.1616 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 25.1208, 12.8620, 5.1616

Background



This preview shows how black text looks on a background with the XYZ color 25.1208, 12.8620, 5.1616.



This preview shows how white text looks on a background with the XYZ color 25.1208, 12.8620,

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

25.1208, 12.8620, 5.1616

Protanopia

12.7143, 13.5605, 10.7514

Deuteranopia

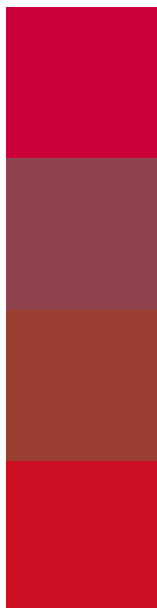
13.6536, 13.4608, 4.6749



Tritanopia

24.5232, 13.1144, 1.8111

Trichromacy



Original Color

25.1208, 12.8620, 5.1616

Protanomaly

14.4081, 10.1690, 8.0409

Deuteranomaly

15.6689, 10.5632, 4.4619

Tritanomaly

24.5327, 12.8690, 2.6298

Monochromacy



Original Color

25.1208, 12.8620, 5.1616

Achromatopsia

5.3350, 5.6128, 6.1124

Achromatomaly

8.9917, 5.8109, 5.4982

CSS Examples

Text

The CSS property to change the color of the text to XYZ 25.1208, 12.8620, 5.1616 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(202, 0, 58)` looks like.

```
.text, #text, p{  
    color:rgb(202, 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(202, 0, 58) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 0, 58) }
```

Border

The CSS property to change the border of an element to XYZ 25.1208, 12.8620, 5.1616 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(202, 0, 58) }
```


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

```
.border{ border-color:rgb(202, 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(202, 0, 58)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 0, 58); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 0, 58);  
box-shadow:4px 4px 4px 4px rgb(202, 0, 58)  
}
```

Background

The CSS property to change the background color of an element to XYZ 25.1208, 12.8620, 5.1616 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 0, 58) }
```

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

```
.background{ background-color: rgb(202, 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