

Converting Colors

XYZ(24.9505, 12.8172, 3.2134)

Have a look what the booklet for
XYZ(24.9505, 12.8172, 3.2134)
contains.

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Color

**XYZ(25.0288, 12.8566,
3.2602)**

Conversions

Conversions Part 1

Format	Color
Hex	CB0029
RGB	203, 0, 41
RGB Percent	80%, 0%, 16%
CMY	0.2039, 0.9998, 0.8392
CMYK	0.00, 1.00, 0.80, 0.20
HSL	348°, 100%, 40%
HSV	348°, 100%, 80%
XYZ	25.0288, 12.8566, 3.2602
YIQ	65.3710, 107.8270, 55.7870

Conversions

Conversions Part 2

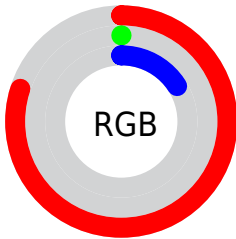
Format	Color
RYB	203, 0, 41
Decimal	13303849
CIELab	42.55, 68.13, 38.84
CIElCh	43, 78.420, 29.686
Yxy	12.8566, 0.6083, 0.3125
Android (android.graphics.Color)	4291493929 (0xFFCB0029)
YUV	65.3710, -12.0149, 120.7006
Hunter-Lab	35.8561, 61.8510, 19.7084

Details

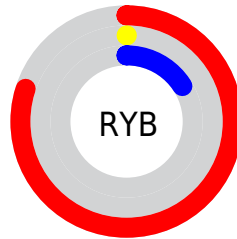
The XYZ color **25.0288, 12.8566, 3.2602** is a dark color, and the websafe version is hex **CC0033**. The color can be described as dark washed red. A complement of this color would be **27.8816, 45.3219, 41.4805**, and the grayscale version is **5.0911, 5.3562, 5.8329**.

A 20% lighter version of the original color is **46.2088, 28.4451, 12.0718**, and **10.8152, 5.5754, 0.5061** is the 20% darker color. If you saturate the color by 10%, you get **25.0280, 12.8562, 3.2571**, and if you desaturate by 10%, it is **25.6282, 13.5063, 5.1538**.

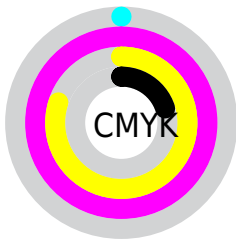
Distribution



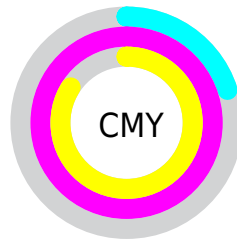
- Red (80%)
- Green (0%)
- Blue (16%)



- Red (80%)
- Yellow (0%)
- Blue (16%)



- Cyan (0%)
- Magenta (100%)
- Yellow (80%)
- Black (20%)





- Cyan (20%)
- Magenta (100%)
- Yellow (84%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 25.0288, 12.8566, 3.2602 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 25.0288, 12.8566, 3.2602 by changing the saturation by 10% instead.

 25.0288, 12.8566,
3.2602


 25.0288, 12.8566,
3.2602


270.3263,
209.9966, 139.6086


 16.2274, 7.3299,
1.2290


 51.1465, 31.0459,
12.2640


 9.7770, 3.6692,
0.0025


 69.1935, 44.4773,
20.0737


 5.3125, 1.4903,
0.0000

 91.0530, 61.3124,
30.6466

 2.4684, 0.2819,
0.0000

 117.0904, 81.9355,
44.4013

 0.8793, 0.0000,
0.0000

 147.6711,
106.7311, 61.7563

 0.0000, 0.0000,
0.0000

 183.1604,

136.0835, 83.1302

223.9237,
170.3772, 108.9414

25.0288, 12.8566,
3.2602

25.0288, 12.8566,
3.2602

25.0280, 12.8562,
3.2571

25.6282, 13.5063,
5.1538

26.6251, 14.7441,
7.8169

28.1230, 16.7593,
11.3387

30.1807, 19.6541,
15.7878

32.8488, 23.5150,
21.2253

■ 36.1720, 28.4182,
27.7072

■ 40.1906, 34.4320,
35.2848

■ 44.9419, 41.6192,
44.0064

■ 50.4602, 50.0377,
53.9171

Harmonies

Analogous

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



27.5182, 12.8566, 14.1781



25.0288, 12.8566, 3.2602



18.9187, 12.8566, 0.3956

Triad

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



25.0288, 12.8566, 3.2602



4.7877, 12.8566, 3.1445



12.1575, 12.8566, 78.5327

Complementary

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



25.0288, 12.8566, 3.2602



27.8816, 45.3219, 41.4805

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.



7.3246, 12.8566, 65.2754



25.0288, 12.8566, 3.2602



4.0013, 12.8566, 13.8207

Square

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



25.0288, 12.8566, 3.2602



7.4017, 12.8566, 0.3656



4.7544, 12.8566, 37.1705



18.7745, 12.8566, 65.7753

Rectangle

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



25.0288, 12.8566, 3.2602



14.3750, 12.8566, 0.0000



4.7544, 12.8566, 37.1705



10.2916, 12.8566, 76.8815

Sweetspot

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



25.0291, 12.8574, 3.2604



66.9907, 57.1924, 58.5108



25.0830, 11.6862, 57.4330



13.6967, 11.2779, 11.3215



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.



25.0291, 12.8574, 3.2604



41.8477, 21.5031, 5.1302



26.1189, 15.6771, 1.6506



11.3034, 11.2501, 12.1321



15.9544, 8.1923, 2.2124



0.8509, 0.4338, 0.2605

Inverse Universe

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



25.0291, 12.8574, 3.2604



41.8477, 21.5031, 5.1302



20.9811, 24.7144, 60.1639



11.3034, 11.2501, 12.1321



15.9544, 8.1923, 2.2124



0.8509, 0.4338, 0.2605

Previews

White Background



This preview shows how the XYZ color 25.0288, 12.8566, 3.2602 looks on a white background.

Color Contrast Check

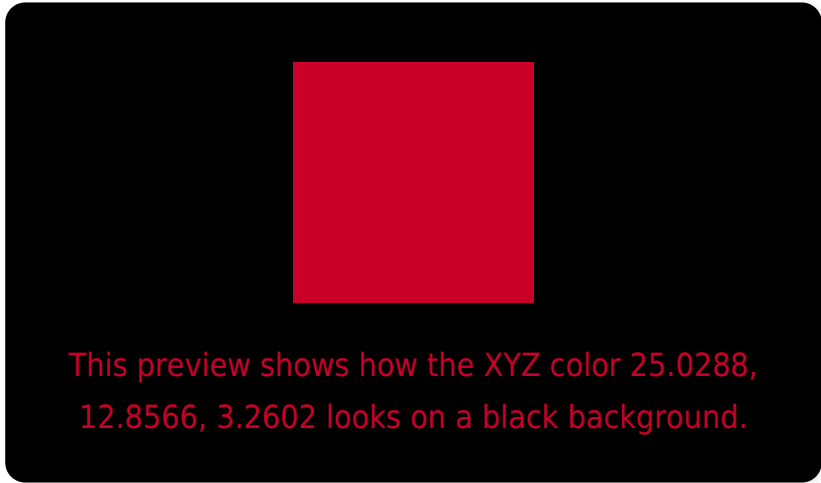
Large Text (above 18pt) WCAG AA ✓ Pass

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 25.0288, 12.8566, 3.2602

Background



This preview shows how black text looks on a background with the XYZ color 25.0288, 12.8566, 3.2602.



This preview shows how white text looks on a background with the XYZ color 25.0288, 12.8566,

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

25.0288, 12.8566, 3.2602

Protanopia

12.4295, 13.5041, 6.6541

Deuteranopia

13.6074, 13.4771, 2.8614



Tritanopia

24.5734, 12.9892, 1.2120

Trichromacy



Original Color

25.0288, 12.8566, 3.2602

Protanomaly

14.3149, 10.1920, 4.8272

Deuteranomaly

15.6802, 10.6121, 2.5182

Tritanomaly

24.5630, 12.8304, 1.6338

Monochromacy



Original Color

25.0288, 12.8566, 3.2602

Achromatopsia

5.0244, 5.2861, 5.7565

Achromatomaly

8.5770, 5.5162, 4.3541

CSS Examples

Text

The CSS property to change the color of the text to XYZ 25.0288, 12.8566, 3.2602 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(203, 0, 41)` looks like.

```
.text, #text, p{  
    color:rgb(203, 0, 41)  
}
```

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(203, 0, 41) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 0, 41) }
```

Border

The CSS property to change the border of an element to XYZ 25.0288, 12.8566, 3.2602 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(203, 0, 41) }
```


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

```
.border{ border-color:rgb(203, 0, 41) }
```

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

Here you see how a box with a 4 pixel `rgb(203, 0, 41)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 0, 41); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 0, 41);  
box-shadow:4px 4px 4px 4px rgb(203, 0, 41)  
}
```

Background

The CSS property to change the background color of an element to XYZ 25.0288, 12.8566, 3.2602 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 0, 41) }
```

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

```
.background{ background-color: rgb(203, 0,  
41) }
```

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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