

Converting Colors

XYZ(25.3302, 12.9286, 7.0394)

Have a look what the booklet for
XYZ(25.3302, 12.9286, 7.0394)
contains.

XYZ(25.2247, 12.8724, 7.1164)	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(25.2247, 12.8724,
7.1164)**

Conversions

Conversions Part 1

Format	Color
Hex	C90047
RGB	201, 0, 71
RGB Percent	79%, 0%, 28%
CMY	0.2118, 0.9998, 0.7216
CMYK	0.00, 1.00, 0.65, 0.21
HSL	339°, 100%, 39%
HSV	339°, 100%, 79%
XYZ	25.2247, 12.8724, 7.1164
YIQ	68.1930, 97.0050, 64.6930

Conversions

Conversions Part 2

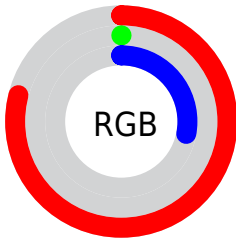
Format	Color
RYB	201, 0, 71
Decimal	13172807
CIELab	42.57, 68.86, 20.42
CIElCh	43, 71.822, 16.519
Yxy	12.8724, 0.5579, 0.2847
Android (android.graphics.Color)	4291362887 (0xFFC90047)
YUV	68.1930, 1.3839, 116.4717
Hunter-Lab	35.8781, 62.7106, 13.3546

Details

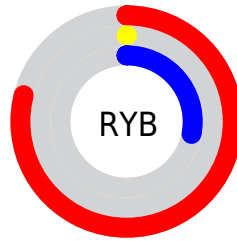
The XYZ color **25.2247, 12.8724, 7.1164** is a dark color, and the websafe version is hex **CC0033**. The color can be described as dark washed red. A complement of this color would be **24.9188, 43.3860, 28.1932**, and the grayscale version is **5.5157, 5.8030, 6.3195**.

A 20% lighter version of the original color is **47.8976, 29.2475, 20.5736**, and **10.8692, 5.5777, 1.6661** is the 20% darker color. If you saturate the color by 10%, you get **25.2238, 12.8720, 7.1122**, and if you desaturate by 10%, it is **25.9402, 13.5628, 9.6388**.

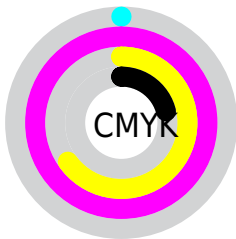
Distribution



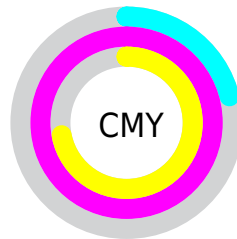
- Red (79%)
- Green (0%)
- Blue (28%)



- Red (79%)
- Yellow (0%)
- Blue (28%)



- Cyan (0%)
- Magenta (100%)
- Yellow (65%)
- Black (21%)





- Cyan (21%)
- Magenta (100%)
- Yellow (72%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 25.2247, 12.8724, 7.1164 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 25.2247, 12.8724, 7.1164 by changing the saturation by 10% instead.


 25.2247, 12.8724,
7.1164


 25.2247, 12.8724,
7.1164


271.2822,
210.0983, 178.2949


 16.3742, 7.3407,
3.4555


 51.4618, 31.0744,
20.7238


 9.8818, 3.6761,
1.3316


 69.5791, 44.5134,
31.5074


 5.3823, 1.4941,
0.0875

 91.5159, 61.3571,
45.5023

 2.5103, 0.2846,
0.0000

 117.6378, 81.9898,
63.1270

 0.9005, 0.0000,
0.0000

 148.3100,
106.7958, 84.8001

 0.0000, 0.0000,
0.0000

 183.8979,

136.1597, 110.9400

224.7668,
170.4657, 141.9655

■ 25.2247, 12.8724,
7.1164

■ 25.2247, 12.8724,
7.1164

■ 25.2238, 12.8720,
7.1122

■ 25.9402, 13.5628,
9.6388

■ 27.0120, 14.8143,
12.7463

■ 28.5358, 16.8107,
16.4948

■ 30.5639, 19.6494,
20.9240

■ 33.1410, 23.4133,
26.0697

■ 36.3067, 28.1748,
31.9646

■ 40.0966, 33.9993,
38.6396

■ 44.5436, 40.9465,
46.1233

■ 49.6780, 49.0717,
54.4428

Harmonies

Analogous

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



25.4575, 12.8724, 22.2073



25.2247, 12.8724, 7.1164



20.9186, 12.8724, 1.5884

Triad

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



25.2247, 12.8724, 7.1164



6.1145, 12.8724, 1.8657



9.9584, 12.8724, 67.8479

Complementary

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



25.2247, 12.8724, 7.1164



24.9188, 43.3860, 28.1932

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.



6.3643, 12.8724, 48.8400



25.2247, 12.8724, 7.1164



4.6306, 12.8724, 8.1363

Square

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



25.2247, 12.8724, 7.1164



9.4995, 12.8724, 0.3174



4.7060, 12.8724, 24.3544



15.4505, 12.8724, 66.6804

Rectangle

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



25.2247, 12.8724, 7.1164



16.8849, 12.8724, 0.5259



4.7060, 12.8724, 24.3544



8.5280, 12.8724, 63.2283

Sweetspot

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



25.2250, 12.8732, 7.1166



68.3416, 57.7327, 65.6245



19.3422, 8.7540, 55.9282



14.0098, 11.4032, 12.9704



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.



25.2250, 12.8732, 7.1166



43.0873, 21.9989, 11.6579



24.4756, 13.1938, 1.2577



10.7860, 10.6978, 11.8562



15.8995, 8.1094, 4.6808



0.7873, 0.3977, 0.4029

Inverse Universe

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



25.2250, 12.8732, 7.1166



43.0873, 21.9989, 11.6579



25.7186, 34.5685, 60.5749



10.7860, 10.6978, 11.8562



15.8995, 8.1094, 4.6808



0.7873, 0.3977, 0.4029

Previews

White Background



This preview shows how the XYZ color 25.2247, 12.8724, 7.1164 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 25.2247, 12.8724, 7.1164

Background



This preview shows how black text looks on a background with the XYZ color 25.2247, 12.8724, 7.1164.



This preview shows how white text looks on a background with the XYZ color 25.2247, 12.8724,

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

25.2247, 12.8724, 7.1164

Protanopia

12.9590, 13.4453, 15.0089

Deuteranopia

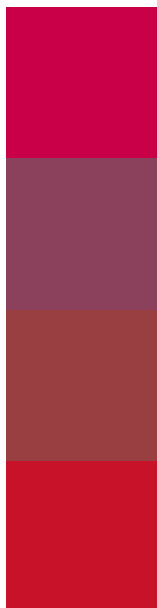
13.6946, 13.4431, 6.4304



Tritanopia

24.4452, 13.2327, 2.2430

Trichromacy



Original Color

25.2247, 12.8724, 7.1164

Protanomaly

14.4695, 10.0423, 11.3009

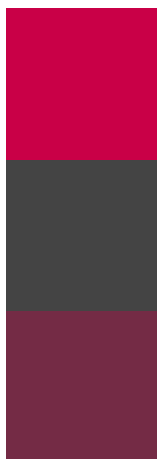
Deuteranomaly

15.8136, 10.5992, 6.2134

Tritanomaly

24.4536, 12.8791, 3.3876

Monochromacy



Original Color

25.2247, 12.8724, 7.1164

Achromatopsia

5.4944, 5.7805, 6.2950

Achromatomaly

9.1405, 5.8704, 6.2816

CSS Examples

Text

The CSS property to change the color of the text to XYZ 25.2247, 12.8724, 7.1164 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(201, 0, 71)` looks like.

```
.text, #text, p{  
    color:rgb(201, 0, 71)  
}
```

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(201, 0, 71) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(201, 0, 71) }
```

Border

The CSS property to change the border of an element to XYZ 25.2247, 12.8724, 7.1164 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(201, 0, 71) }
```


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

```
.border{ border-color:rgb(201, 0, 71) }
```

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

Here you see how a box with a 4 pixel `rgb(201, 0, 71)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(201, 0, 71); -webkit-box-  
shadow:4px 4px 4px 4px rgb(201, 0, 71);  
box-shadow:4px 4px 4px 4px rgb(201, 0, 71)  
}
```

Background

The CSS property to change the background color of an element to XYZ 25.2247, 12.8724, 7.1164 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(201, 0, 71) }
```

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

```
.background{ background-color: rgb(201, 0,  
71) }
```

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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