

Converting Colors

XYZ(25.1701, 12.9447, 2.5782)

Have a look what the booklet for
XYZ(25.1701, 12.9447, 2.5782)
contains.

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Color

**XYZ(25.1764, 12.9472,
2.6110)**

Conversions

Conversions Part 1

Format	Color
Hex	CC0021
RGB	204, 0, 33
RGB Percent	80%, 0%, 13%
CMY	0.2000, 0.9998, 0.8706
CMYK	0.00, 1.00, 0.84, 0.20
HSL	350°, 100%, 40%
HSV	350°, 100%, 80%
XYZ	25.1764, 12.9472, 2.6110
YIQ	64.7580, 110.9910, 53.5110

Conversions

Conversions Part 2

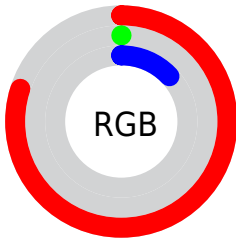
Format	Color
RYB	204, 0, 33
Decimal	13369377
CIELab	42.68, 68.16, 43.50
CIElCh	43, 80.864, 32.547
Yxy	12.9472, 0.6181, 0.3178
Android (android.graphics.Color)	4291559457 (0xFFCC0021)
YUV	64.7580, -15.6567, 122.1152
Hunter-Lab	35.9822, 61.9258, 20.8853

Details

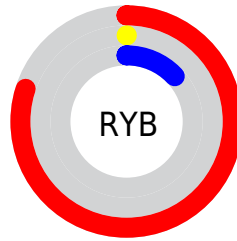
The XYZ color **25.1764, 12.9472, 2.6110** is a dark color, and the websafe version is hex **CC0033**. The color can be described as dark washed red. A complement of this color would be **28.9479, 46.1276, 45.9265**, and the grayscale version is **5.0023, 5.2629, 5.7312**.

A 20% lighter version of the original color is **45.9791, 28.4801, 10.4710**, and **10.8152, 5.5754, 0.5061** is the 20% darker color. If you saturate the color by 10%, you get **25.1757, 12.9469, 2.6084**, and if you desaturate by 10%, it is **25.7377, 13.5846, 4.2950**.

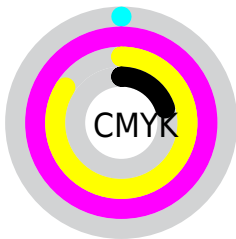
Distribution



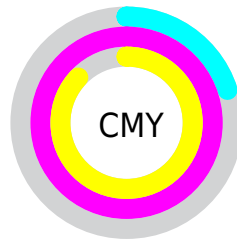
- Red (80%)
- Green (0%)
- Blue (13%)



- Red (80%)
- Yellow (0%)
- Blue (13%)



- Cyan (0%)
- Magenta (100%)
- Yellow (84%)
- Black (20%)





- Cyan (20%)
- Magenta (100%)
- Yellow (87%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 25.1764, 12.9472, 2.6110 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 25.1764, 12.9472, 2.6110 by changing the saturation by 10% instead.


 25.1764, 12.9472,
2.6110


 25.1764, 12.9472,
2.6110


271.0467,
210.5790, 131.2406


 16.3380, 7.3922,
0.8981


 51.3841, 31.2089,
10.6525


 9.8560, 3.7086,
0.0000


 69.4840, 44.6844,
17.8196


 5.3651, 1.5119,
0.0000

 91.4019, 61.5688,
27.6424

 2.5000, 0.2971,
0.0000

 117.5030, 82.2466,
40.5395


 0.8952, 0.0000,
0.0000


 148.1526,
107.1021, 56.9293


 0.0000, 0.0000,
0.0000


 183.7162,


136.5197, 77.2304


 224.5592,
170.8839, 101.8613


 25.1764, 12.9472,
2.6110


 25.1764, 12.9472,
2.6110


 25.1757, 12.9469,
2.6084

 25.7377, 13.5846,
4.2950

 26.7086, 14.8201,
6.7958

 28.1959, 16.8457,
10.2170

 30.2614, 19.7659,
14.6390

 32.9581, 23.6688,
20.1329

■ 36.3328, 28.6321,
26.7634

■ 40.4276, 34.7258,
34.5900

■ 45.2814, 42.0136,
43.6680

■ 50.9303, 50.5548,
54.0492

Harmonies

Analogous

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



28.2630, 12.9472, 12.6478



25.1764, 12.9472, 2.6110



18.5882, 12.9472, 0.1282

Triad

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



25.1764, 12.9472, 2.6110



4.5229, 12.9472, 3.5510



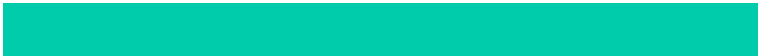
12.8380, 12.9472, 82.0012

Complementary

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



25.1764, 12.9472, 2.6110



28.9479, 46.1276, 45.9265

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.



7.6274, 12.9472, 70.3937



25.1764, 12.9472, 2.6110



3.8801, 12.9472, 15.6536

Square

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



25.1764, 12.9472, 2.6110



6.9858, 12.9472, 0.3795



4.7974, 12.9472, 41.2217



19.8102, 12.9472, 66.0955

Rectangle

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



25.1764, 12.9472, 2.6110



13.9011, 12.9472, 0.0000



4.7974, 12.9472, 41.2217



10.8377, 12.9472, 81.1884

Sweetspot

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



25.1767, 12.9480, 2.6112



66.6488, 57.0556, 56.7106



27.4785, 12.9073, 58.1695



13.6182, 11.2465, 10.9080



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.



25.1767, 12.9480, 2.6112



41.6439, 21.4215, 4.0566



26.9708, 16.9751, 1.8562



11.2850, 11.2427, 12.0356



15.8689, 8.1581, 1.7622



0.8424, 0.4304, 0.2162

Inverse Universe

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



25.1767, 12.9480, 2.6112



41.6439, 21.4215, 4.0566



19.7057, 21.9721, 60.3288



11.2850, 11.2427, 12.0356



15.8689, 8.1581, 1.7622



0.8424, 0.4304, 0.2162

Previews

White Background



This preview shows how the XYZ color 25.1764, 12.9472, 2.6110 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 25.1764, 12.9472, 2.6110

Background



This preview shows how black text looks on a background with the XYZ color 25.1764, 12.9472, 2.6110.



This preview shows how white text looks on a background with the XYZ color 25.1764, 12.9472,

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

25.1764, 12.9472, 2.6110

Protanopia

12.4323, 13.5349, 5.3254

Deuteranopia

13.6120, 13.4965, 2.0887



Tritanopia

24.8449, 13.1291, 1.2247

Trichromacy



Original Color

25.1764, 12.9472, 2.6110

Protanomaly

14.4740, 10.2967, 3.8094

Deuteranomaly

15.7208, 10.6508, 1.7174

Tritanomaly

24.8146, 12.9624, 1.5419

Monochromacy



Original Color

25.1764, 12.9472, 2.6110

Achromatopsia

5.0244, 5.2861, 5.7565

Achromatomaly

8.6380, 5.5559, 3.9853

CSS Examples

Text

The CSS property to change the color of the text to XYZ 25.1764, 12.9472, 2.6110 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, 33)` looks like.

```
.text, #text, p{  
    color:rgb(204, 0, 33)  
}
```

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, 33) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 0, 33) }
```

Border

The CSS property to change the border of an element to XYZ 25.1764, 12.9472, 2.6110 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, 33) }
```


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

```
.border{ border-color:rgb(204, 0, 33) }
```

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, 33)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 0, 33); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 0, 33);  
box-shadow:4px 4px 4px 4px rgb(204, 0, 33)  
}
```

Background

The CSS property to change the background color of an element to XYZ 25.1764, 12.9472, 2.6110 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, 33) }
```

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

```
.background{ background-color: rgb(204, 0,  
33) }
```

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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