

Converting Colors

XYZ(25.2820, 12.9094, 6.7858)

Have a look what the booklet for
XYZ(25.2820, 12.9094, 6.7858)
contains.

XYZ(25.1616, 12.8472, 6.7838)	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(25.1616, 12.8472,
6.7838)**

Conversions

Conversions Part 1

Format	Color
Hex	C90045
RGB	201, 0, 69
RGB Percent	79%, 0%, 27%
CMY	0.2118, 0.9998, 0.7294
CMYK	0.00, 1.00, 0.66, 0.21
HSL	339°, 100%, 39%
HSV	339°, 100%, 79%
XYZ	25.1616, 12.8472, 6.7838
YIQ	67.9650, 97.6470, 64.0710

Conversions

Conversions Part 2

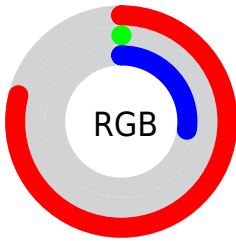
Format	Color
R_{YB}	201, 0, 69
Decimal	13172805
CIE Lab	42.53, 68.75, 21.63
CIE LCh	43, 72.077, 17.464
Yxy	12.8472, 0.5617, 0.2868
Android (android.graphics.Color)	4291362885 (0xFFC90045)
YUV	67.9650, 0.5103, 116.6717
Hunter-Lab	35.8430, 62.5809, 13.8686

Details

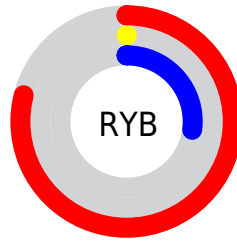
The XYZ color **25.1616, 12.8472, 6.7838** is a dark color, and the websafe version is hex **CC0033**. The color can be described as dark washed red. A complement of this color would be **25.0546, 43.4404, 28.9085**, and the grayscale version is **5.4806, 5.7660, 6.2791**.

A 20% lighter version of the original color is **47.7787, 29.1999, 19.9476**, and **10.8453, 5.5681, 1.5400** is the 20% darker color. If you saturate the color by 10%, you get **25.1606, 12.8468, 6.7795**, and if you desaturate by 10%, it is **25.8706, 13.5350, 9.2721**.

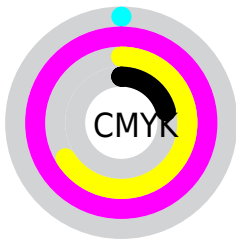
Distribution



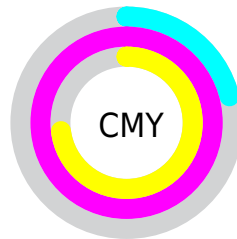
- Red (79%)
- Green (0%)
- Blue (27%)



- Red (79%)
- Yellow (0%)
- Blue (27%)



- Cyan (0%)
- Magenta (100%)
- Yellow (66%)
- Black (21%)





- Cyan (21%)
- Magenta (100%)
- Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 25.1616, 12.8472, 6.7838 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 25.1616, 12.8472, 6.7838 by changing the saturation by 10% instead.


 25.1616, 12.8472,
6.7838


 25.1616, 12.8472,
6.7838


270.9746,
209.9361, 175.4172

 16.3269, 7.3234,
3.2509


 51.3603, 31.0290,
20.0423


 9.8481, 3.6652,
1.2241


 69.4549, 44.4558,
30.6050

 5.3598, 1.4881,
0.0000

 91.3669, 61.2857,
44.3481

 2.4968, 0.2803,
0.0000

 117.4616, 81.9032,
61.6900

 0.8936, 0.0000,
0.0000

 148.1044,
106.6925, 83.0493

 0.0000, 0.0000,
0.0000

 183.6606,

136.0382, 108.8446

224.4955,
170.3246, 139.4944

■ 25.1616, 12.8472,
6.7838

■ 25.1616, 12.8472,
6.7838

■ 25.1606, 12.8468,
6.7795

■ 25.8706, 13.5350,
9.2721

■ 26.9382, 14.7849,
12.3573

■ 28.4603, 16.7807,
16.0966

■ 30.4894, 19.6199,
20.5309

■ 33.0706, 23.3854,
25.6974

■ 36.2434, 28.1499,
31.6298

■ 40.0439, 33.9787,
38.3600

■ 44.5049, 40.9316,
45.9175

■ 49.6571, 49.0641,
54.3304

Harmonies

Analogous

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



25.5406, 12.8472, 21.5546



25.1616, 12.8472, 6.7838



20.7405, 12.8472, 1.4872

Triad

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



25.1616, 12.8472, 6.7838



6.0088, 12.8472, 1.9347



10.0773, 12.8472, 68.3846

Complementary

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



25.1616, 12.8472, 6.7838



25.0546, 43.4404, 28.9085

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.



6.4142, 12.8472, 49.7351



25.1616, 12.8472, 6.7838



4.5791, 12.8472, 8.4392

Square

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



25.1616, 12.8472, 6.7838



9.3317, 12.8472, 0.3200



4.7013, 12.8472, 25.0489



15.6286, 12.8472, 66.4813

Rectangle

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



25.1616, 12.8472, 6.7838



16.6771, 12.8472, 0.4725



4.7013, 12.8472, 25.0489



8.6230, 12.8472, 63.9497

Sweetspot

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



25.1619, 12.8480, 6.7840



68.2495, 57.6959, 65.1395



19.8511, 9.0164, 55.9521



13.9883, 11.3946, 12.8573



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.



25.1619, 12.8480, 6.7840



42.9810, 21.9564, 11.0978



24.5565, 13.3554, 1.2848



10.7816, 10.6960, 11.8331



15.8591, 8.0932, 4.4680



0.7850, 0.3969, 0.3911

Inverse Universe

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



25.1619, 12.8480, 6.7840



42.9810, 21.9564, 11.0978



25.0787, 33.2886, 60.3616



10.7816, 10.6960, 11.8331



15.8591, 8.0932, 4.4680



0.7850, 0.3969, 0.3911

Previews

White Background



This preview shows how the XYZ color 25.1616, 12.8472, 6.7838 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 25.1616, 12.8472, 6.7838 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

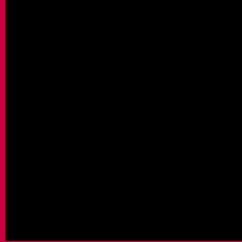
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 25.1616, 12.8472, 6.7838

Background



This preview shows how black text looks on a background with the XYZ color 25.1616, 12.8472, 6.7838.



This preview shows how white text looks on a background with the XYZ color 25.1616, 12.8472,

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

25.1616, 12.8472, 6.7838

Protanopia

12.9260, 13.4456, 14.2259

Deuteranopia

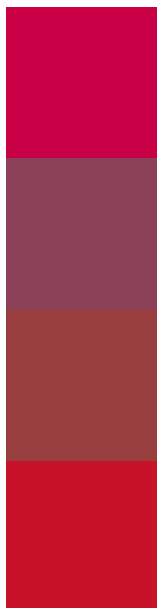
13.6407, 13.4216, 6.1466



Tritanopia

24.4101, 13.1801, 2.1771

Trichromacy



Original Color

25.1616, 12.8472, 6.7838

Protanomaly

14.5087, 10.0773, 10.6316

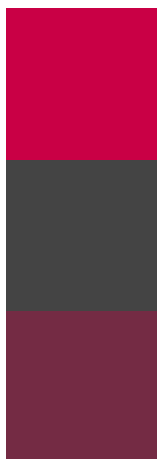
Deuteranomaly

15.7567, 10.5764, 5.9136

Tritanomaly

24.4360, 12.8721, 3.2945

Monochromacy



Original Color

25.1616, 12.8472, 6.7838

Achromatopsia

5.4944, 5.7805, 6.2950

Achromatomaly

9.1097, 5.8581, 6.1194

CSS Examples

Text

The CSS property to change the color of the text to XYZ 25.1616, 12.8472, 6.7838 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, 69)` looks like.

```
.text, #text, p{  
    color:rgb(201, 0, 69)  
}
```

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, 69) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(201, 0, 69) }
```

Border

The CSS property to change the border of an element to XYZ 25.1616, 12.8472, 6.7838 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, 69) }
```


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

```
.border{ border-color:rgb(201, 0, 69) }
```

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, 69)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(201, 0, 69); -webkit-box-  
shadow:4px 4px 4px 4px rgb(201, 0, 69);  
box-shadow:4px 4px 4px 4px rgb(201, 0, 69)  
}
```

Background

The CSS property to change the background color of an element to XYZ 25.1616, 12.8472, 6.7838 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, 69) }
```

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

```
.background{ background-color: rgb(201, 0,  
69) }
```

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