

Converting Colors

XYZ(25.8104, 16.2576, 1.7783)

Have a look what the booklet for
XYZ(25.8104, 16.2576, 1.7783)
contains.

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Color

**XYZ(25.8266, 16.2937,
1.7838)**

Conversions

Conversions Part 1

Format	Color
Hex	C84300
RGB	200, 67, 0
RGB Percent	78%, 26%, 0%
CMY	0.2157, 0.7372, 1.0000
CMYK	0.00, 0.66, 1.00, 0.22
HSL	20°, 100%, 39%
HSV	20°, 100%, 78%
XYZ	25.8266, 16.2937, 1.7838
YIQ	99.1290, 100.7750, 7.3590

Conversions

Conversions Part 2

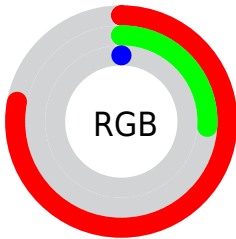
Format	Color
R_{YB}	200, 101, 0
Decimal	13124352
CIE _{Lab}	47.36, 50.76, 58.44
CIE _{LCh}	47, 77.407, 49.024
Yxy	16.2937, 0.5883, 0.3711
Android (android.graphics.Color)	4291314432 (0xFFC84300)
YUV	99.1290, -48.8706, 88.4639
Hunter-Lab	40.3655, 43.5682, 25.6357

Details

The XYZ color **25.8266, 16.2937, 1.7838** is a dark color, and the websafe version is hex **CC3300**. The color can be described as dark washed red. A complement of this color would be **18.8119, 20.9434, 57.6942**, and the grayscale version is **11.9949, 12.6195, 13.7427**.

A 20% lighter version of the original color is **48.8411, 35.2402, 8.2308**, and **10.3165, 5.3184, 0.4828** is the 20% darker color. If you saturate the color by 10%, you get **25.8268, 16.2944, 1.7839**, and if you desaturate by 10%, it is **26.8368, 18.1124, 2.7436**.

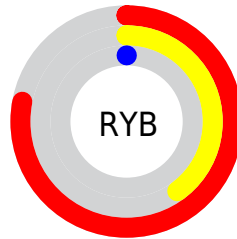
Distribution



Red (78%)

Green (26%)

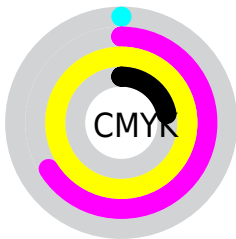
Blue (0%)



Red (78%)

Yellow (40%)

Blue (0%)

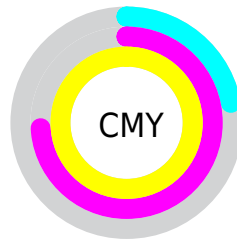


Cyan (0%)

Magenta (66%)

Yellow (100%)

Black (22%)



Cyan (22%)


Magenta (74%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the XYZ color 25.8266, 16.2937, 1.7838 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 25.8266, 16.2937, 1.7838 by changing the saturation by 10% instead.


 25.8266, 16.2937,
1.7838


 25.8266, 16.2937,
1.7838


 274.2022,
231.0686, 118.9238


 16.8260, 9.7322,
0.4172


 52.4284, 37.1073,
8.4408


 10.2050, 5.2218,
0.0000


 70.7602, 52.1283,
14.6653

 5.5984, 2.3780,
0.0000

 92.9332, 70.7378,
23.3785

 2.6408, 0.8145,
0.0000

 119.3126, 93.3204,
34.9989


 0.9668, 0.0000,
0.0000


 150.2639,
120.2604, 49.9451


 0.0000, 0.0000,
0.0000


 186.1523,


151.9421, 68.6357


 227.3433,
188.7501, 91.4890


 25.8266, 16.2937,
1.7838


 25.8266, 16.2937,
1.7838


 25.8268, 16.2944,
1.7839

 26.8368, 18.1124,
2.7436

 28.1702, 20.3683,
4.4545

 29.8829, 23.1015,
7.1594

 32.0086, 26.3411,
10.9873

 34.5765, 30.1132,
16.0474

■ 37.6129, 34.4421,
22.4358

■ 41.1419, 39.3504,
30.2391

■ 45.1856, 44.8594,
39.5362

■ 49.7650, 50.9891,
50.4005

Harmonies

Analogous

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



31.5705, 16.2937, 8.0683



25.8266, 16.2937, 1.7838



18.1317, 16.2937, 0.3957

Triad

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



25.8266, 16.2937, 1.7838



5.8223, 16.2937, 11.4856



20.1882, 16.2937, 82.6157

Complementary

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



25.8266, 16.2937, 1.7838



18.8119, 20.9434, 57.6942

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.



13.1122, 16.2937, 86.4955



25.8266, 16.2937, 1.7838



6.0751, 16.2937, 33.0932

Square

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



25.8266, 16.2937, 1.7838



7.5202, 16.2937, 2.7217



8.3568, 16.2937, 64.1657



27.7085, 16.2937, 55.7441

Rectangle

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



25.8266, 16.2937, 1.7838



13.5116, 16.2937, 0.3637



8.3568, 16.2937, 64.1657



17.6454, 16.2937, 87.1384

Sweetspot

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



25.8269, 16.2947, 1.7841



70.9500, 67.7421, 51.7192



28.0760, 13.9820, 23.5305



14.6075, 13.6990, 9.7773



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.



25.8269, 16.2947, 1.7841



44.5228, 27.8255, 3.0243



37.5770, 39.7947, 5.7007



10.9194, 11.2080, 11.1506



16.4962, 10.5095, 1.1591



0.8481, 0.6317, 0.0772

Inverse Universe

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



18.8119, 20.9434, 57.6942



32.3435, 35.8070, 99.8145



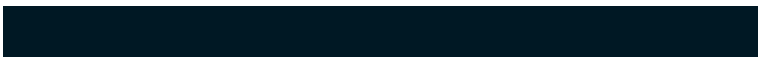
10.9785, 5.2766, 55.0830



10.6358, 11.4457, 13.5662



12.0466, 13.4871, 36.7127



0.6352, 0.7681, 1.7599

Previews

White Background



This preview shows how the XYZ color 25.8266, 16.2937, 1.7838 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 25.8266, 16.2937, 1.7838 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 25.8266, 16.2937, 1.7838

Background



This preview shows how black text looks on a background with the XYZ color 25.8266, 16.2937, 1.7838.



This preview shows how white text looks on a background with the XYZ color 25.8266, 16.2937,

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

25.8266, 16.2937, 1.7838

Protanopia

14.7929, 16.3764, 3.0908

Deuteranopia

16.5854, 16.3550, 2.2827



Tritanopia

26.7934, 16.2561, 6.8798

Trichromacy



Original Color

25.8266, 16.2937, 1.7838

Protanomaly

17.5819, 15.2648, 2.4005

Deuteranomaly

19.1370, 15.5468, 1.9922

Tritanomaly

26.3387, 16.2515, 3.9391

Monochromacy



Original Color

25.8266, 16.2937, 1.7838

Achromatopsia

11.8596, 12.4772, 13.5877

Achromatomaly

14.4587, 12.4095, 6.3358

CSS Examples

Text

The CSS property to change the color of the text to XYZ 25.8266, 16.2937, 1.7838 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(200, 67, 0)` looks like.

```
.text, #text, p{  
    color:rgb(200, 67, 0)  
}
```

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(200, 67, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 67, 0) }
```

Border

The CSS property to change the border of an element to XYZ 25.8266, 16.2937, 1.7838 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(200, 67, 0) }
```


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

```
.border{ border-color:rgb(200, 67, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(200, 67, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 67, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 67, 0);  
box-shadow:4px 4px 4px 4px rgb(200, 67, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 25.8266, 16.2937, 1.7838 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(200, 67, 0) }
```

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

```
.background{ background-color: rgb(200, 67,  
0) }
```

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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