

Converting Colors

XYZ(25.8142, 13.2023, 5.9700)

Have a look what the booklet for
XYZ(25.8142, 13.2023, 5.9700)
contains.

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Color

**XYZ(25.8273, 13.2075,
6.0385)**

Conversions

Conversions Part 1

Format	Color
Hex	CC0040
RGB	204, 0, 64
RGB Percent	80%, 0%, 25%
CMY	0.2000, 0.9999, 0.7490
CMYK	0.00, 1.00, 0.69, 0.20
HSL	341°, 100%, 40%
HSV	341°, 100%, 80%
XYZ	25.8273, 13.2075, 6.0385
YIQ	68.2920, 101.0400, 63.1520

Conversions

Conversions Part 2

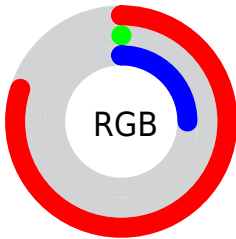
Format	Color
RYB	204, 0, 64
Decimal	13369408
CIELab	43.07, 69.22, 25.58
CIELCh	43, 73.800, 20.282
Yxy	13.2075, 0.5730, 0.2930
Android (android.graphics.Color)	4291559488 (0xFFCC0040)
YUV	68.2920, -2.1160, 119.0159
Hunter-Lab	36.3421, 63.2561, 15.5880

Details

The XYZ color **25.8273, 13.2075, 6.0385** 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 **26.3297, 45.0804, 32.1393**, and the grayscale version is **5.5367, 5.8250, 6.3434**.

A 20% lighter version of the original color is **47.4370, 29.0633, 18.1485**, and **11.1392, 5.7246, 1.3285** is the 20% darker color. If you saturate the color by 10%, you get **25.8264, 13.2072, 6.0346**, and if you desaturate by 10%, it is **26.5350, 13.9033, 8.4933**.

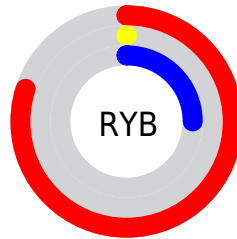
Distribution



Red (80%)

Green (0%)

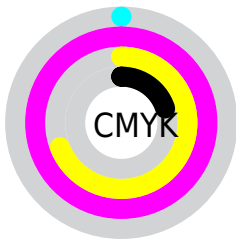
Blue (25%)



Red (80%)

Yellow (0%)

Blue (25%)

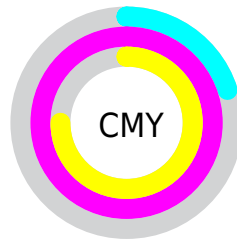


Cyan (0%)

Magenta (100%)

Yellow (69%)

Black (20%)



Cyan (20%)


Magenta (100%)


Yellow (75%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 25.8273, 13.2075, 6.0385 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 25.8273, 13.2075, 6.0385 by changing the saturation by 10% instead.

 25.8273, 13.2075,
6.0385


 25.8273, 13.2075,
6.0385


274.2055,
212.2433, 168.7323


 16.8265, 7.5716,
2.7993


 52.4295, 31.6761,
18.4898


 10.2054, 3.8221,
0.9931


 70.7616, 45.2775,
28.5390

 5.5987, 1.5745,
0.0000

 92.9348, 62.3029,
41.6953

 2.6409, 0.3403,
0.0000

 119.3146, 83.1367,
58.3773

 0.9669, 0.0000,
0.0000

 150.2661,
108.1632, 79.0034

 0.0000, 0.0000,
0.0000

 186.1549,

137.7669, 103.9923

227.3463,
172.3321, 133.7624

■ 25.8273, 13.2075,
6.0385

■ 25.8273, 13.2075,
6.0385

■ 25.8264, 13.2072,
6.0346

■ 26.5350, 13.9033,
8.4933

■ 27.6211, 15.1848,
11.6016

■ 29.1852, 17.2411,
15.4274

■ 31.2826, 20.1738,
20.0177

■ 33.9609, 24.0691,
25.4149

■ 37.2617, 29.0028,
31.6576

■ 41.2231, 35.0429,
38.7821

■ 45.8798, 42.2517,
46.8223

■ 51.2639, 50.6868,
55.8102

Harmonies

Analogous

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



26.6779, 13.2075, 20.3290



25.8273, 13.2075, 6.0385



20.8997, 13.2075, 1.2473

Triad

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



25.8273, 13.2075, 6.0385



5.8901, 13.2075, 2.2268



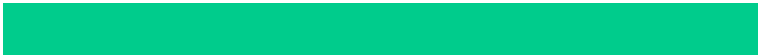
10.7996, 13.2075, 72.4357

Complementary

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



25.8273, 13.2075, 6.0385



26.3297, 45.0804, 32.1393

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.



6.7905, 13.2075, 54.3172



25.8273, 13.2075, 6.0385



4.5756, 13.2075, 9.7232

Square

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



25.8273, 13.2075, 6.0385



9.1371, 13.2075, 0.3525



4.8462, 13.2075, 28.1663



16.7298, 13.2075, 68.1461

Rectangle

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



25.8273, 13.2075, 6.0385



16.6078, 13.2075, 0.3351



4.8462, 13.2075, 28.1663



9.2191, 13.2075, 68.4436

Sweetspot

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



25.8276, 13.2083, 6.0387



67.9789, 57.5877, 63.7146



21.6158, 9.8849, 57.8953



13.9253, 11.3694, 12.5255



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.



25.8276, 13.2083, 6.0387



42.6868, 21.8387, 9.5486



25.5770, 14.1875, 1.3915



11.3548, 11.2707, 12.4032



16.2929, 8.3277, 3.9950



0.8749, 0.4434, 0.3871

Inverse Universe

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



25.8276, 13.2083, 6.0387



42.6868, 21.8387, 9.5486



24.6463, 31.8534, 61.9759



11.3548, 11.2707, 12.4032



16.2929, 8.3277, 3.9950



0.8749, 0.4434, 0.3871

Previews

White Background



This preview shows how the XYZ color 25.8273, 13.2075, 6.0385 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 25.8273, 13.2075, 6.0385 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 25.8273, 13.2075, 6.0385

Background



This preview shows how black text looks on a background with the XYZ color 25.8273, 13.2075, 6.0385.



This preview shows how white text looks on a background with the XYZ color 25.8273, 13.2075,

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

25.8273, 13.2075, 6.0385

Protanopia

13.2002, 13.9150, 12.8166

Deuteranopia

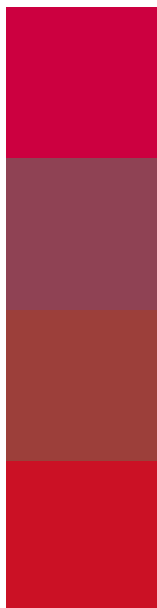
14.0298, 13.7792, 5.4102



Tritanopia

25.1428, 13.4932, 2.0383

Trichromacy



Original Color

25.8273, 13.2075, 6.0385

Protanomaly

14.8761, 10.3762, 9.6062

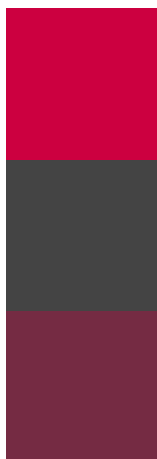
Deuteranomaly

16.2515, 10.9284, 5.2558

Tritanomaly

25.1630, 13.2310, 2.9779

Monochromacy



Original Color

25.8273, 13.2075, 6.0385

Achromatopsia

5.4944, 5.7805, 6.2950

Achromatomaly

9.2131, 5.9149, 5.9663

CSS Examples

Text

The CSS property to change the color of the text to XYZ 25.8273, 13.2075, 6.0385 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, 64)` looks like.

```
.text, #text, p{  
    color:rgb(204, 0, 64)  
}
```

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, 64) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 0, 64) }
```

Border

The CSS property to change the border of an element to XYZ 25.8273, 13.2075, 6.0385 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, 64) }
```


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

```
.border{ border-color:rgb(204, 0, 64) }
```

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, 64) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 0, 64); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 0, 64);  
box-shadow:4px 4px 4px 4px rgb(204, 0, 64)  
}
```

Background

The CSS property to change the background color of an element to XYZ 25.8273, 13.2075, 6.0385 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, 64) }
```

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

```
.background{ background-color: rgb(204, 0,  
64) }
```

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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