

Converting Colors

XYZ(24.9153, 13.3069, 4.4767)

Have a look what the booklet for
XYZ(24.9153, 13.3069, 4.4767)
contains.

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Color

**XYZ(24.8086, 13.2661,
4.5019)**

Conversions

Conversions Part 1

Format	Color
Hex	C81A34
RGB	200, 26, 52
RGB Percent	78%, 10%, 20%
CMY	0.2157, 0.8980, 0.7961
CMYK	0.00, 0.87, 0.74, 0.22
HSL	351°, 77%, 44%
HSV	351°, 87%, 78%
XYZ	24.8086, 13.2661, 4.5019
YIQ	80.9900, 95.3580, 44.9740

Conversions

Conversions Part 2

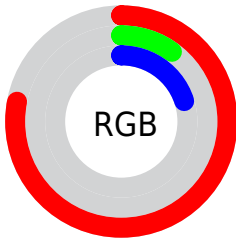
Format	Color
RYB	200, 26, 52
Decimal	13113908
CIELab	43.16, 64.53, 32.84
CIElCh	43, 72.411, 26.974
Yxy	13.2661, 0.5827, 0.3116
Android (android.graphics.Color)	4291303988 (0xFFC81A34)
YUV	80.9900, -14.2921, 104.3718
Hunter-Lab	36.4227, 57.8422, 18.1675

Details

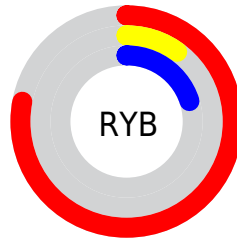
The XYZ color **24.8086, 13.2661, 4.5019** is a dark color, and the websafe version is hex **CC0033**. The color can be described as dark washed red. A complement of this color would be **28.7226, 44.5848, 47.1466**, and the grayscale version is **7.8353, 8.2434, 8.9770**.

A 20% lighter version of the original color is **47.4065, 29.9896, 15.0943**, and **10.3658, 5.3381, 0.7425** is the 20% darker color. If you saturate the color by 10%, you get **24.1877, 12.5312, 2.7330**, and if you desaturate by 10%, it is **25.8716, 14.6648, 7.0995**.

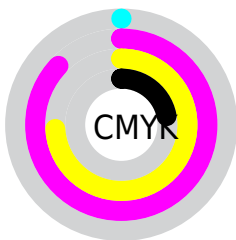
Distribution



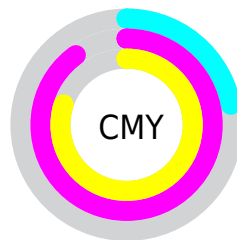
- Red (78%)
- Green (10%)
- Blue (20%)



- Red (78%)
- Yellow (10%)
- Blue (20%)



- Cyan (0%)
- Magenta (87%)
- Yellow (74%)
- Black (22%)





- Cyan (22%)
- Magenta (90%)
- Yellow (80%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.8086, 13.2661, 4.5019 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 24.8086, 13.2661, 4.5019 by changing the saturation by 10% instead.


 24.8086, 13.2661,
4.5019


 24.8086, 13.2661,
4.5019


269.2487,
212.6161, 153.6505


 16.0625, 7.6120,
1.9045


 50.7917, 31.7810,
15.1517

 9.6595, 3.8477,
0.4956


 68.7594, 45.4107,
24.0412


 5.2343, 1.5887,
0.0000

 90.5316, 62.4676,
35.8651

 2.4216, 0.3500,
0.0000

 116.4737, 83.3363,
51.0421

 0.8559, 0.0000,
0.0000

 146.9512,
108.4011, 69.9905

 0.0000, 0.0000,
0.0000

 182.3292,

138.0464, 93.1291

222.9733,
172.6566, 120.8762

■ 24.8086, 13.2661,
4.5019

■ 24.8086, 13.2661,
4.5019

■ 24.1877, 12.5312,
2.7330

■ 25.8716, 14.6648,
7.0995

■ 24.0518, 12.3723,
2.3397

■ 27.4495, 16.8505,
10.6156

■ 29.5989, 19.9183,
15.1273

■ 32.3689, 23.9491,
20.7032

■ 35.8030, 29.0145,
27.4058

■ 39.9408, 35.1793,
35.2926

■ 44.8189, 42.5032,
44.4172

■ 50.4713, 51.0414,
54.8300

■ 56.9296, 60.8456,
66.5785

Harmonies

Analogous

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



26.6643, 13.2661, 16.1299



24.8086, 13.2661, 4.5019



19.4159, 13.2661, 0.9582

Triad

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



24.8086, 13.2661, 4.5019



5.5772, 13.2661, 3.3288



12.0505, 13.2661, 72.0864

Complementary

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



24.8086, 13.2661, 4.5019



28.7226, 44.5848, 47.1466

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.



7.6141, 13.2661, 58.6328



24.8086, 13.2661, 4.5019



4.6368, 13.2661, 12.8808

Square

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



24.8086, 13.2661, 4.5019



8.3375, 13.2661, 0.6910



5.2545, 13.2661, 33.3731



18.1356, 13.2661, 62.8626

Rectangle

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



24.8086, 13.2661, 4.5019



15.1882, 13.2661, 0.2705



5.2545, 13.2661, 33.3731



10.3397, 13.2661, 69.9221

Sweetspot

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



24.8089, 13.2669, 4.5021



69.6356, 61.6312, 62.0156



28.2289, 13.8973, 55.8376



14.3296, 12.3318, 12.1858



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.



24.8089, 13.2669, 4.5021



41.5911, 21.4004, 3.7789



27.4071, 19.1563, 3.2316



10.6973, 10.6623, 11.3895



15.3140, 7.8752, 1.5974



0.7463, 0.3814, 0.1874

Inverse Universe

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



24.8089, 13.2669, 4.5021



41.5911, 21.4004, 3.7789



20.0999, 22.8862, 58.0011



10.6973, 10.6623, 11.3895



15.3140, 7.8752, 1.5974



0.7463, 0.3814, 0.1874

Previews

White Background



This preview shows how the XYZ color 24.8086, 13.2661, 4.5019 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 24.8086, 13.2661, 4.5019 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 24.8086, 13.2661, 4.5019

Background



This preview shows how black text looks on a background with the XYZ color 24.8086, 13.2661, 4.5019.



This preview shows how white text looks on a background with the XYZ color 24.8086, 13.2661,

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

24.8086, 13.2661, 4.5019

Protanopia

12.7103, 13.6018, 8.7930

Deuteranopia

13.6700, 13.4847, 3.9801



Tritanopia

24.2649, 13.2108, 2.4334

Trichromacy



Original Color

24.8086, 13.2661, 4.5019

Protanomaly

14.8569, 11.2770, 6.7038

Deuteranomaly

16.1174, 11.6942, 3.8903

Tritanomaly

24.3265, 13.1544, 3.0072

Monochromacy



Original Color

24.8086, 13.2661, 4.5019

Achromatopsia

7.8210, 8.2283, 8.9606

Achromatomaly

11.0864, 8.0648, 6.7667

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.8086, 13.2661, 4.5019 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, 26, 52)` looks like.

```
.text, #text, p{  
    color:rgb(200, 26, 52)  
}
```

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, 26, 52) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 26, 52) }
```

Border

The CSS property to change the border of an element to XYZ 24.8086, 13.2661, 4.5019 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, 26, 52) }
```


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

```
.border{ border-color:rgb(200, 26, 52) }
```

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

Here you see how a box with a 4 pixel `rgb(200, 26, 52)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 26, 52); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 26, 52);  
box-shadow:4px 4px 4px 4px rgb(200, 26,  
52) }
```

Background

The CSS property to change the background color of an element to XYZ 24.8086, 13.2661, 4.5019 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(200, 26, 52) }
```

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

```
.background{ background-color: rgb(200, 26,  
52) }
```

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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