

Converting Colors

XYZ(25.8116, 13.7119, 4.3822)

Have a look what the booklet for
XYZ(25.8116, 13.7119, 4.3822)
contains.

XYZ(25.8260, 13.7297, 4.4209)	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(25.8260, 13.7297,
4.4209)**

Conversions

Conversions Part 1

Format	Color
Hex	CC1833
RGB	204, 24, 51
RGB Percent	80%, 9%, 20%
CMY	0.2000, 0.9058, 0.8000
CMYK	0.00, 0.88, 0.75, 0.20
HSL	351°, 79%, 45%
HSV	351°, 88%, 80%
XYZ	25.8260, 13.7297, 4.4209
YIQ	80.8980, 98.6130, 46.5570

Conversions

Conversions Part 2

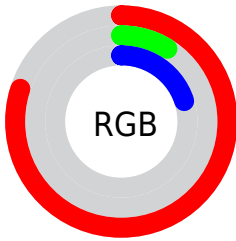
Format	Color
RYB	204, 24, 51
Decimal	13375539
CIELab	43.84, 65.91, 34.44
CIELCh	44, 74.361, 27.587
Yxy	13.7297, 0.5873, 0.3122
Android (android.graphics.Color)	4291565619 (0xFFCC1833)
YUV	80.8980, -14.7397, 107.9605
Hunter-Lab	37.0536, 59.5689, 18.8636

Details

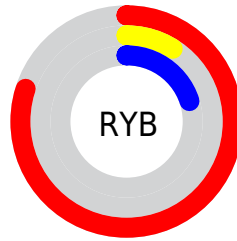
The XYZ color **25.8260, 13.7297, 4.4209** is a dark color, and the websafe version is hex **CC0033**. The color can be described as dark washed red. A complement of this color would be **29.9081, 46.5551, 49.0169**, and the grayscale version is **7.8179, 8.2250, 8.9570**.

A 20% lighter version of the original color is **47.3590, 29.9705, 14.8441**, and **11.0283, 5.6803, 0.7449** is the 20% darker color. If you saturate the color by 10%, you get **25.2248, 13.0295, 2.6731**, and if you desaturate by 10%, it is **26.8721, 15.0920, 7.0206**.

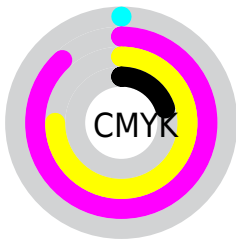
Distribution



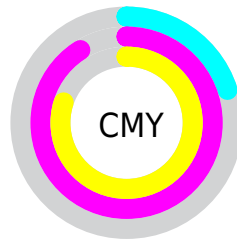
- Red (80%)
- Green (9%)
- Blue (20%)



- Red (80%)
- Yellow (9%)
- Blue (20%)



- Cyan (0%)
- Magenta (88%)
- Yellow (75%)
- Black (20%)





- Cyan (20%)
- Magenta (91%)
- Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 25.8260, 13.7297, 4.4209 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 25.8260, 13.7297, 4.4209 by changing the saturation by 10% instead.


 25.8260, 13.7297,
4.4209


 25.8260, 13.7297,
4.4209


274.1993,
215.5427, 152.7947


 16.8255, 7.9329,
1.8590


 52.4274, 32.6086,
14.9694


 10.2047, 4.0520,
0.4664


 70.7590, 46.4596,
23.7931


 5.5982, 1.7027,
0.0000

 92.9318, 63.7640,
35.5410

 2.6407, 0.4254,
0.0000

 119.3110, 84.9064,
50.6319

 0.9667, 0.0000,
0.0000

 150.2619,
110.2711, 69.4841

 0.0000, 0.0000,
0.0000

 186.1501,

140.2424, 92.5163

227.3407,
175.2048, 120.1470

■ 25.8260, 13.7297,
4.4209

■ 25.8260, 13.7297,
4.4209

■ 25.2248, 13.0295,
2.6731

■ 26.8721, 15.0920,
7.0206

■ 25.1434, 12.9340,
2.4386

■ 28.4489, 17.2645,
10.5707

■ 30.6174, 20.3495,
15.1533

■ 33.4296, 24.4331,
20.8412

■ 36.9322, 29.5918,
27.7007

■ 41.1669, 35.8944,
35.7927

■ 46.1726, 43.4041,
45.1738

■ 51.9852, 52.1793,
55.8971

■ 58.6382, 62.2748,
68.0128

Harmonies

Analogous

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



27.8853, 13.7297, 16.3516



25.8260, 13.7297, 4.4209



20.0820, 13.7297, 0.8959

Triad

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



25.8260, 13.7297, 4.4209



5.6526, 13.7297, 3.4552



12.5803, 13.7297, 76.0781

Complementary

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



25.8260, 13.7297, 4.4209



29.9081, 46.5551, 49.0169

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.



7.8869, 13.7297, 62.2053



25.8260, 13.7297, 4.4209



4.7096, 13.7297, 13.6296

Square

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



25.8260, 13.7297, 4.4209



8.4898, 13.7297, 0.6771



5.3849, 13.7297, 35.4695



19.0051, 13.7297, 65.7921

Rectangle

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



25.8260, 13.7297, 4.4209



15.6290, 13.7297, 0.2075



5.3849, 13.7297, 35.4695



10.7710, 13.7297, 73.9477

Sweetspot

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



25.8263, 13.7306, 4.4211



69.6399, 61.6330, 62.0384



29.3583, 14.3613, 58.3509



14.3306, 12.3322, 12.1910



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.



25.8263, 13.7306, 4.4211



41.5934, 21.4014, 3.7912



28.4762, 19.7222, 3.1714



11.2797, 11.2406, 12.0076



15.8473, 8.1495, 1.6487



0.8400, 0.4294, 0.2032

Inverse Universe

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



25.8263, 13.7306, 4.4211



41.5934, 21.4014, 3.7912



20.8023, 23.6062, 60.5863



11.2797, 11.2406, 12.0076



15.8473, 8.1495, 1.6487



0.8400, 0.4294, 0.2032

Previews

White Background



This preview shows how the XYZ color 25.8260, 13.7297, 4.4209 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 25.8260, 13.7297, 4.4209 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 25.8260, 13.7297, 4.4209

Background



This preview shows how black text looks on a background with the XYZ color 25.8260, 13.7297, 4.4209.



This preview shows how white text looks on a background with the XYZ color 25.8260, 13.7297,

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

25.8260, 13.7297, 4.4209

Protanopia

13.1316, 14.1219, 8.6903

Deuteranopia

14.3002, 14.0928, 3.9740



Tritanopia

25.2907, 13.7042, 2.3491

Trichromacy



Original Color

25.8260, 13.7297, 4.4209

Protanomaly

15.4219, 11.6732, 6.5946

Deuteranomaly

16.8725, 12.0857, 3.8264

Tritanomaly

25.3623, 13.6544, 2.9679

Monochromacy



Original Color

25.8260, 13.7297, 4.4209

Achromatopsia

7.8210, 8.2283, 8.9606

Achromatomaly

11.3255, 8.1095, 6.7627

CSS Examples

Text

The CSS property to change the color of the text to XYZ 25.8260, 13.7297, 4.4209 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, 24, 51)` looks like.

```
.text, #text, p{  
  color:rgb(204, 24, 51)  
}
```

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, 24, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 24, 51) }
```

Border

The CSS property to change the border of an element to XYZ 25.8260, 13.7297, 4.4209 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, 24, 51) }
```


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

```
.border{ border-color:rgb(204, 24, 51) }
```

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

Here you see how a box with a 4 pixel rgb(204, 24, 51) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 24, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 24, 51);  
box-shadow:4px 4px 4px 4px rgb(204, 24,  
51) }
```

Background

The CSS property to change the background color of an element to XYZ 25.8260, 13.7297, 4.4209 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 24, 51) }
```

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

```
.background{ background-color: rgb(204, 24,  
51) }
```

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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