

Converting Colors

XYZ(25.7291, 13.2497, 1.8437)

Have a look what the booklet for
XYZ(25.7291, 13.2497, 1.8437)
contains.

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Color

**XYZ(25.8584, 13.3159,
1.8692)**

Conversions

Conversions Part 1

Format	Color
Hex	CF0014
RGB	207, 0, 20
RGB Percent	81%, 0%, 8%
CMY	0.1882, 0.9998, 0.9216
CMYK	0.00, 1.00, 0.90, 0.19
HSL	354°, 100%, 41%
HSV	354°, 100%, 81%
XYZ	25.8584, 13.3159, 1.8692
YIQ	64.1730, 116.9520, 50.1040

Conversions

Conversions Part 2

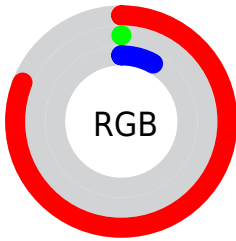
Format	Color
RYB	207, 0, 20
Decimal	13565972
CIELab	43.24, 68.66, 50.54
CIELCh	43, 85.253, 36.355
Yxy	13.3159, 0.6300, 0.3244
Android (android.graphics.Color)	4291756052 (0xFFCF0014)
YUV	64.1730, -21.7773, 125.2593
Hunter-Lab	36.4910, 62.6304, 22.5066

Details

The XYZ color **25.8584, 13.3159, 1.8692** is a dark color, and the websafe version is hex **CC0000**. The color can be described as dark washed red. A complement of this color would be **31.2873, 48.2152, 54.6946**, and the grayscale version is **4.9221, 5.1785, 5.6394**.

A 20% lighter version of the original color is **45.5809, 28.3208, 8.3743**, and **11.1553, 5.7508, 0.5221** is the 20% darker color. If you saturate the color by 10%, you get **25.8579, 13.3157, 1.8674**, and if you desaturate by 10%, it is **26.3567, 13.9368, 3.1949**.

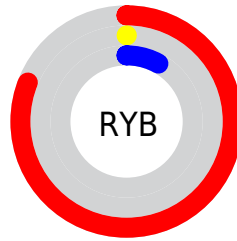
Distribution



Red (81%)

Green (0%)

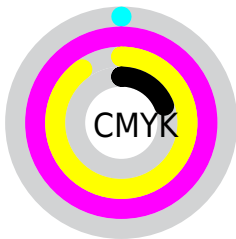
Blue (8%)



Red (81%)

Yellow (0%)

Blue (8%)

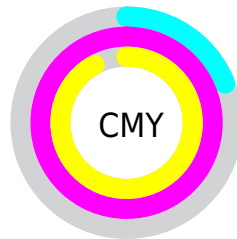


Cyan (0%)

Magenta (100%)

Yellow (90%)

Black (19%)



Cyan (19%)


Magenta (100%)


Yellow (92%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 25.8584, 13.3159, 1.8692 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 25.8584, 13.3159, 1.8692 by changing the saturation by 10% instead.


 25.8584, 13.3159,
1.8692


 25.8584, 13.3159,
1.8692


274.3557,
212.9324, 120.3115


 16.8499, 7.6464,
0.4730


 52.4794, 31.8702,
8.6800


 10.2221, 3.8696,
0.0000


 70.8225, 45.5237,
15.0105


 5.6099, 1.6009,
0.0000

 93.0078, 62.6075,
23.8490

 2.6477, 0.3582,
0.0000

 119.4008, 83.5058,
35.6141

 0.9703, 0.0000,
0.0000


 150.3667,
108.6030, 50.7244


 0.0000, 0.0000,
0.0000


 186.2710,


138.2836, 69.5983


 227.4788,
172.9320, 92.6545


 25.8584, 13.3159,
1.8692


 25.8584, 13.3159,
1.8692

 25.8579, 13.3157,
1.8674

 26.3567, 13.9368,
3.1949

 27.2891, 15.1815,
5.4166

 28.7708, 17.2496,
8.6712

 30.8705, 20.2508,
13.0645

 33.6464, 24.2783,
18.6896

■ 37.1503, 29.4138,
25.6296

■ 41.4287, 35.7308,
33.9606

■ 46.5243, 43.2966,
43.7527

■ 52.4765, 52.1732,
55.0713

Harmonies

Analogous

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



29.9001, 13.3159, 10.8399



25.8584, 13.3159, 1.8692



18.4524, 13.3159, 0.0000

Triad

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



25.8584, 13.3159, 1.8692



4.2329, 13.3159, 4.2677



14.1121, 13.3159, 88.8001

Complementary

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



25.8584, 13.3159, 1.8692



31.2873, 48.2152, 54.6946

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.



8.2222, 13.3159, 79.6747



25.8584, 13.3159, 1.8692



3.7752, 13.3159, 18.9003

Square

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



25.8584, 13.3159, 1.8692



6.5305, 13.3159, 0.4114



4.9456, 13.3159, 48.4286



21.7572, 13.3159, 67.8038

Rectangle

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



25.8584, 13.3159, 1.8692



13.4796, 13.3159, 0.0000



4.9456, 13.3159, 48.4286



11.8673, 13.3159, 89.3020

Sweetspot

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



25.8587, 13.3168, 1.8694



66.1099, 56.8401, 53.8728



31.5864, 14.9831, 60.2583



13.4950, 11.1973, 10.2597



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.



25.8587, 13.3168, 1.8694



41.4111, 21.3284, 2.8309



28.8121, 19.4253, 2.2322



11.8544, 11.8265, 12.5090



16.3077, 8.3959, 1.2603



0.9281, 0.4759, 0.1559

Inverse Universe

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



25.8587, 13.3168, 1.8694



41.4111, 21.3284, 2.8309



18.4978, 18.9750, 61.7186



11.8544, 11.8265, 12.5090



16.3077, 8.3959, 1.2603



0.9281, 0.4759, 0.1559

Previews

White Background



This preview shows how the XYZ color 25.8584, 13.3159, 1.8692 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 25.8584, 13.3159, 1.8692 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 25.8584, 13.3159, 1.8692

Background



This preview shows how black text looks on a background with the XYZ color 25.8584, 13.3159, 1.8692.



This preview shows how white text looks on a background with the XYZ color 25.8584, 13.3159,

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

25.8584, 13.3159, 1.8692

Protanopia

12.7375, 14.0250, 3.8695

Deuteranopia

13.9776, 13.8292, 1.9326



Tritanopia

25.6865, 13.5876, 1.2688

Trichromacy



Original Color

25.8584, 13.3159, 1.8692

Protanomaly

14.8322, 10.5973, 2.5601

Deuteranomaly

16.1139, 10.9413, 1.4636

Tritanomaly

25.6234, 13.4001, 1.4370

Monochromacy



Original Color

25.8584, 13.3159, 1.8692

Achromatopsia

4.8732, 5.1269, 5.5832

Achromatomaly

8.5289, 5.5123, 3.4108

CSS Examples

Text

The CSS property to change the color of the text to XYZ 25.8584, 13.3159, 1.8692 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(207, 0, 20)` looks like.

```
.text, #text, p{  
    color:rgb(207, 0, 20)  
}
```

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(207, 0, 20) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 0, 20) }
```

Border

The CSS property to change the border of an element to XYZ 25.8584, 13.3159, 1.8692 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(207, 0, 20) }
```


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

```
.border{ border-color:rgb(207, 0, 20) }
```

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

Here you see how a box with a 4 pixel rgb(207, 0, 20) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(207, 0, 20); -webkit-box-  
shadow:4px 4px 4px 4px rgb(207, 0, 20);  
box-shadow:4px 4px 4px 4px rgb(207, 0, 20)  
}
```

Background

The CSS property to change the background color of an element to XYZ 25.8584, 13.3159, 1.8692 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(207, 0, 20) }
```

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

```
.background{ background-color: rgb(207, 0,  
20) }
```

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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