

Converting Colors

XYZ(24.7073, 13.0850, 2.5097)

Have a look what the booklet for
XYZ(24.7073, 13.0850, 2.5097)
contains.

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Color

**XYZ(24.5849, 13.0167,
2.5130)**

Conversions

Conversions Part 1

Format	Color
Hex	C9141F
RGB	201, 20, 31
RGB Percent	79%, 8%, 12%
CMY	0.2118, 0.9215, 0.8784
CMYK	0.00, 0.90, 0.85, 0.21
HSL	356°, 82%, 43%
HSV	356°, 90%, 79%
XYZ	24.5849, 13.0167, 2.5130
YIQ	75.3730, 104.3450, 41.7930

Conversions

Conversions Part 2

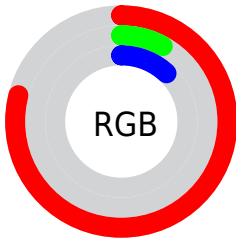
Format	Color
R_{YB}	201, 20, 31
Decimal	13177887
CIE _{Lab}	42.79, 65.18, 44.42
CIE _{LCh}	43, 78.873, 34.273
Yxy	13.0167, 0.6129, 0.3245
Android (android.graphics.Color)	4291367967 (0xFFC9141F)
YUV	75.3730, -21.8759, 110.1749
Hunter-Lab	36.0787, 58.4967, 21.1253

Details

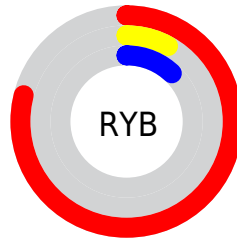
The XYZ color **24.5849, 13.0167, 2.5130** is a dark color, and the websafe version is hex **CC3333**. The color can be described as dark washed red. A complement of this color would be **30.4723, 45.6408, 55.9319**, and the grayscale version is **6.7826, 7.1358, 7.7709**.

A 20% lighter version of the original color is **46.3206, 29.2780, 10.2310**, and **10.3165, 5.3184, 0.4828** is the 20% darker color. If you saturate the color by 10%, you get **24.1548, 12.4445, 1.4829**, and if you desaturate by 10%, it is **25.4234, 14.1726, 4.3998**.

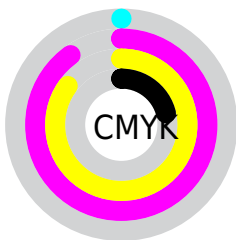
Distribution



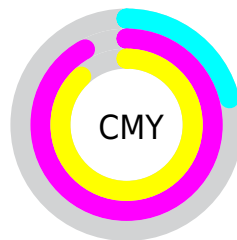
- Red (79%)
- Green (8%)
- Blue (12%)



- Red (79%)
- Yellow (8%)
- Blue (12%)



- Cyan (0%)
- Magenta (90%)
- Yellow (85%)
- Black (21%)





- Cyan (21%)
- Magenta (92%)
- Yellow (88%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 24.5849, 13.0167, 2.5130 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 24.5849, 13.0167, 2.5130 by changing the saturation by 10% instead.


 24.5849, 13.0167,
2.5130


 24.5849, 13.0167,
2.5130


268.1503,
211.0247, 129.8934


 15.8951, 7.4400,
0.8470


 50.4308, 31.3338,
10.4010


 9.5404, 3.7388,
0.0000


 68.3176, 44.8430,
17.4649


 5.1552, 1.5285,
0.0000

 90.0008, 61.7652,
27.1666

 2.3743, 0.3087,
0.0000

 115.8458, 82.4848,
39.9249


 0.8323, 0.0000,
0.0000


 146.2178,
107.3861, 56.1582


 0.0000, 0.0000,
0.0000


 181.4824,


136.8536, 76.2850


 222.0048,
171.2717, 100.7239


 24.5849, 13.0167,
2.5130


 24.5849, 13.0167,
2.5130

 24.1548, 12.4445,
1.4829

 25.4234, 14.1726,
4.3998

 26.7817, 16.0994,
7.2875

 28.7264, 18.9009,
11.2893

 31.3140, 22.6648,
16.5032

 34.5944, 27.4677,
23.0162

■ 38.6126, 33.3787,
30.9076

■ 43.4096, 40.4609,
40.2502

■ 49.0236, 48.7727,
51.1117

■ 55.4902, 58.3686,
63.5555

Harmonies

Analogous

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



27.8386, 13.0167, 11.8480



24.5849, 13.0167, 2.5130



18.0950, 13.0167, 0.1901

Triad

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



24.5849, 13.0167, 2.5130



4.6100, 13.0167, 4.1158



13.2529, 13.0167, 79.3932

Complementary

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



24.5849, 13.0167, 2.5130



30.4723, 45.6408, 55.9319

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.



8.0042, 13.0167, 69.7568



24.5849, 13.0167, 2.5130



4.0573, 13.0167, 16.7838

Square

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



24.5849, 13.0167, 2.5130



6.9399, 13.0167, 0.6009



5.0702, 13.0167, 42.1623



20.0847, 13.0167, 62.8643

Rectangle

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



24.5849, 13.0167, 2.5130



13.5610, 13.0167, 0.0000



5.0702, 13.0167, 42.1623



11.2546, 13.0167, 79.1625

Sweetspot

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



24.5852, 13.0175, 2.5132



68.1605, 60.1730, 56.9242



31.7632, 15.5286, 56.5813



14.0215, 12.0426, 11.0751



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.



24.5852, 13.0175, 2.5132



41.3296, 21.2958, 2.4017



28.6233, 21.2872, 3.2631



10.6595, 10.6472, 11.1903



15.1995, 7.8294, 0.9944



0.7290, 0.3744, 0.0960

Inverse Universe

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



24.5852, 13.0175, 2.5132



41.3296, 21.2958, 2.4017



17.8621, 18.4271, 57.8734



10.6595, 10.6472, 11.1903



15.1995, 7.8294, 0.9944



0.7290, 0.3744, 0.0960

Previews

White Background



This preview shows how the XYZ color 24.5849, 13.0167, 2.5130 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



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 24.5849, 13.0167, 2.5130

Background



This preview shows how black text looks on a background with the XYZ color 24.5849, 13.0167, 2.5130.



This preview shows how white text looks on a background with the XYZ color 24.5849, 13.0167,

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

24.5849, 13.0167, 2.5130

Protanopia

12.3654, 13.5082, 4.9732

Deuteranopia

13.4806, 13.2952, 1.8557



Tritanopia

24.4873, 13.0677, 1.7219

Trichromacy



Original Color

24.5849, 13.0167, 2.5130

Protanomaly

14.6726, 11.0505, 3.6451

Deuteranomaly

15.8988, 11.3483, 1.6691

Tritanomaly

24.5097, 13.0455, 1.9357

Monochromacy



Original Color

24.5849, 13.0167, 2.5130

Achromatopsia

6.6877, 7.0360, 7.6622

Achromatomaly

10.0408, 7.1131, 4.9814

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.5849, 13.0167, 2.5130 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(201, 20, 31)` looks like.

```
.text, #text, p{  
    color:rgb(201, 20, 31)  
}
```

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(201, 20, 31) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(201, 20, 31) }
```

Border

The CSS property to change the border of an element to XYZ 24.5849, 13.0167, 2.5130 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(201, 20, 31) }
```


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

```
.border{ border-color:rgb(201, 20, 31) }
```

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

Here you see how a box with a 4 pixel rgb(201, 20, 31) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(201, 20, 31); -webkit-box-  
shadow:4px 4px 4px 4px rgb(201, 20, 31);  
box-shadow:4px 4px 4px 4px rgb(201, 20,  
31) }
```

Background

The CSS property to change the background color of an element to XYZ 24.5849, 13.0167, 2.5130 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(201, 20, 31) }
```

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

```
.background{ background-color: rgb(201, 20,  
31) }
```

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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