

Converting Colors

XYZ(24.4101, 13.1801, 2.1771)

Have a look what the booklet for
XYZ(24.4101, 13.1801, 2.1771)
contains.

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Color

**XYZ(24.4101, 13.1801,
2.1771)**

Conversions

Conversions Part 1

Format	Color
Hex	C81C19
RGB	200, 28, 25
RGB Percent	78%, 11%, 10%
CMY	0.2157, 0.8901, 0.9020
CMYK	0.00, 0.86, 0.88, 0.22
HSL	1°, 78%, 44%
HSV	1°, 88%, 78%
XYZ	24.4101, 13.1801, 2.1771
YIQ	79.0860, 103.4750, 35.5310

Conversions

Conversions Part 2

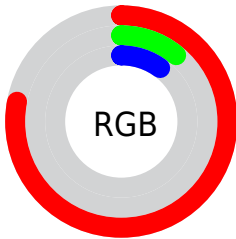
Format	Color
RYB	200, 28, 25
Decimal	13114393
CIELab	43.03, 63.37, 47.50
CIELCh	43, 79.191, 36.855
Yxy	13.1801, 0.6138, 0.3314
Android (android.graphics.Color)	4291304473 (0xFFC81C19)
YUV	79.0860, -26.6644, 106.0416
Hunter-Lab	36.3044, 56.4859, 21.8576

Details

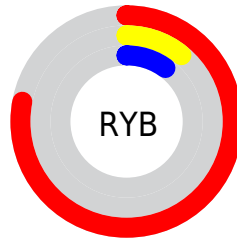
The XYZ color **24.4101, 13.1801, 2.1771** is a dark color, and the websafe version is hex **CC0000**. The color can be described as dark washed red. A complement of this color would be **30.7872, 44.2990, 61.5709**, and the grayscale version is **7.4859, 7.8758, 8.5767**.

A 20% lighter version of the original color is **46.4124, 29.7333, 9.4238**, and **10.1533, 5.2342, 0.4752** is the 20% darker color. If you saturate the color by 10%, you get **23.9374, 12.4718, 1.2892**, and if you desaturate by 10%, it is **25.3365, 14.5562, 3.9568**.

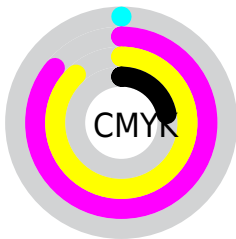
Distribution



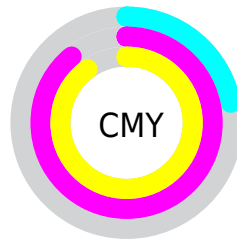
- Red (78%)
- Green (11%)
- Blue (10%)



- Red (78%)
- Yellow (11%)
- Blue (10%)



- Cyan (0%)
- Magenta (86%)
- Yellow (88%)
- Black (22%)





- Cyan (22%)
- Magenta (89%)
- Yellow (90%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.4101, 13.1801, 2.1771 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 24.4101, 13.1801, 2.1771 by changing the saturation by 10% instead.

 24.4101, 13.1801,
2.1771


 24.4101, 13.1801,
2.1771


267.2895,
212.0687, 125.0689


 15.7645, 7.5527,
0.6611


 50.1484, 31.6270,
9.5196

 9.4474, 3.8101,
0.0000


 67.9718, 45.2152,
16.2138

 5.0936, 1.5679,
0.0000

 89.5852, 62.2258,
25.4814

 2.3376, 0.3358,
0.0000

 115.3540, 83.0432,
37.7409


 0.8138, 0.0000,
0.0000


 145.6434,
108.0518, 53.4108


 0.0000, 0.0000,
0.0000


 180.8189,


137.6360, 72.9098


 221.2458,
172.1802, 96.6563


 24.4101, 13.1801,
2.1771


 24.4101, 13.1801,
2.1771


 23.9374, 12.4718,
1.2892


 25.3365, 14.5562,
3.9568

 23.8566, 12.3542,
1.1272

 26.8001, 16.7146,
6.8146

 28.8658, 19.7490,
10.8847

 31.5891, 23.7395,
16.2816

 35.0193, 28.7569,
23.1067

■ 39.2009, 34.8655,
31.4513

■ 44.1748, 42.1242,
41.3993

■ 49.9789, 50.5879,
53.0285

■ 56.6488, 60.3077,
66.4116

Harmonies

Analogous

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



28.0977, 13.1801, 10.7126



24.4101, 13.1801, 2.1771



17.7099, 13.1801, 0.0964

Triad

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



24.4101, 13.1801, 2.1771



4.5566, 13.1801, 4.8006



13.9758, 13.1801, 79.9147

Complementary

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



24.4101, 13.1801, 2.1771



30.7872, 44.2990, 61.5709

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.



8.4694, 13.1801, 72.4425



24.4101, 13.1801, 2.1771



4.1333, 13.1801, 18.7317

Square

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



24.4101, 13.1801, 2.1771



6.7401, 13.1801, 0.7572



5.3056, 13.1801, 45.2764



20.9335, 13.1801, 61.3029

Rectangle

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



24.4101, 13.1801, 2.1771



13.1800, 13.1801, 0.0000



5.3056, 13.1801, 45.2764



11.8965, 13.1801, 80.5100

Sweetspot

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



24.4104, 13.1809, 2.1773



68.7726, 61.6808, 56.2544



34.2543, 17.0095, 54.3506



14.1314, 12.3426, 10.8646



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.



24.4104, 13.1809, 2.1773



41.2878, 21.3556, 1.9459



30.1729, 24.7060, 4.0981



10.6483, 10.6658, 11.0602



15.1758, 7.8688, 0.7190



0.7238, 0.3831, 0.0358

Inverse Universe

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



30.7872, 44.2990, 61.5709



52.4214, 75.9628, 106.5071



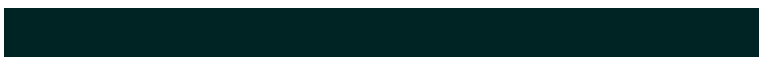
16.3571, 15.4388, 56.7609



10.9304, 12.0349, 13.6644



19.2659, 27.9258, 39.1192



0.9174, 1.3325, 1.8540

Previews

White Background



This preview shows how the XYZ color 24.4101, 13.1801, 2.1771 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 24.4101, 13.1801, 2.1771 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 24.4101, 13.1801, 2.1771

Background



This preview shows how black text looks on a background with the XYZ color 24.4101, 13.1801, 2.1771.



This preview shows how white text looks on a background with the XYZ color 24.4101, 13.1801,

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

24.4101, 13.1801, 2.1771

Protanopia

12.3384, 13.5125, 4.1484

Deuteranopia

13.5736, 13.4812, 1.8867



Tritanopia

24.4101, 13.1801, 2.1771

Trichromacy



Original Color

24.4101, 13.1801, 2.1771

Protanomaly

14.7569, 11.4072, 3.0931

Deuteranomaly

15.9494, 11.7534, 1.6864

Tritanomaly

24.4101, 13.1801, 2.1771

Monochromacy



Original Color

24.4101, 13.1801, 2.1771

Achromatopsia

7.4317, 7.8187, 8.5146

Achromatomaly

10.5737, 7.7584, 5.0779

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.4101, 13.1801, 2.1771 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, 28, 25)` looks like.

```
.text, #text, p{  
    color:rgb(200, 28, 25)  
}
```

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, 28, 25) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 28, 25) }
```

Border

The CSS property to change the border of an element to XYZ 24.4101, 13.1801, 2.1771 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, 28, 25) }
```


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

```
.border{ border-color:rgb(200, 28, 25) }
```

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

Here you see how a box with a 4 pixel `rgb(200, 28, 25)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 28, 25); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 28, 25);  
box-shadow:4px 4px 4px 4px rgb(200, 28,  
25) }
```

Background

The CSS property to change the background color of an element to XYZ 24.4101, 13.1801, 2.1771 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(200, 28, 25) }
```

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

```
.background{ background-color: rgb(200, 28,  
25) }
```

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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