

Converting Colors

XYZ(24.3688, 14.1578, 2.7517)

Have a look what the booklet for
XYZ(24.3688, 14.1578, 2.7517)
contains.

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Color

**XYZ(24.3716, 14.1659,
2.7461)**

Conversions

Conversions Part 1

Format	Color
Hex	C5311F
RGB	197, 49, 31
RGB Percent	77%, 19%, 12%
CMY	0.2275, 0.8078, 0.8784
CMYK	0.00, 0.75, 0.84, 0.23
HSL	7°, 73%, 45%
HSV	7°, 84%, 77%
XYZ	24.3716, 14.1659, 2.7461
YIQ	91.2000, 93.9860, 25.7780

Conversions

Conversions Part 2

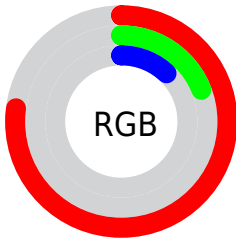
Format	Color
RYB	197, 51, 31
Decimal	12923167
CIELab	44.47, 57.01, 45.61
CIElCh	44, 73.004, 38.661
Yxy	14.1659, 0.5903, 0.3431
Android (android.graphics.Color)	4291113247 (0xFFC5311F)
YUV	91.2000, -29.6786, 92.7866
Hunter-Lab	37.6376, 49.7188, 22.0204

Details

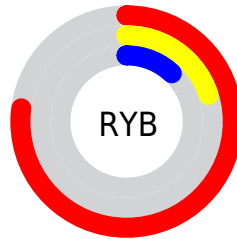
The XYZ color **24.3716, 14.1659, 2.7461** is a dark color, and the websafe version is hex **CC3333**. The color can be described as dark washed red. A complement of this color would be **26.7609, 36.5581, 58.4689**, and the grayscale version is **10.0411, 10.5640, 11.5042**.

A 20% lighter version of the original color is **47.7692, 32.1181, 10.8894**, and **9.8315, 5.0683, 0.4601** is the 20% darker color. If you saturate the color by 10%, you get **23.5897, 12.8987, 1.5722**, and if you desaturate by 10%, it is **25.5987, 16.0705, 4.8502**.

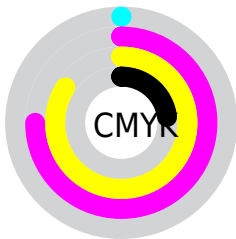
Distribution



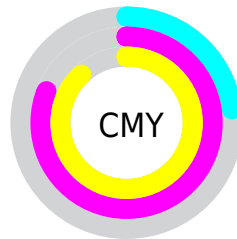
- Red (77%)
- Green (19%)
- Blue (12%)



- Red (77%)
- Yellow (20%)
- Blue (12%)



- Cyan (0%)
- Magenta (75%)
- Yellow (84%)
- Black (23%)





- Cyan (23%)
- Magenta (81%)
- Yellow (88%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.3716, 14.1659, 2.7461 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 24.3716, 14.1659, 2.7461 by changing the saturation by 10% instead.


 24.3716, 14.1659,
2.7461


 24.3716, 14.1659,
2.7461


267.0996,
218.2605, 133.0581


 15.7357, 8.2361,
0.9665


 50.0862, 33.3831,
10.9952


 9.4270, 4.2464,
0.0000


 67.8956, 47.4393,
18.3018


 5.0801, 1.8123,
0.0000

 89.4936, 64.9732,
28.2879

 2.3296, 0.4948,
0.0000

 115.2456, 86.3690,
41.3718

 0.8097, 0.0000,
0.0000

 145.5168,
112.0113, 57.9723

 0.0000, 0.0000,
0.0000

 180.6726,

142.2844, 78.5078

221.0784,
177.5726, 103.3969

24.3716, 14.1659,
2.7461

24.3716, 14.1659,
2.7461

23.5897, 12.8987,
1.5722

25.5987, 16.0705,
4.8502

23.3009, 12.4204,
1.1693

27.3249, 18.6794,
8.0262

29.5974, 22.0538,
12.3922

32.4574, 26.2477,
18.0506

35.9423, 31.3099,
25.0928

■ 40.0861, 37.2856,
33.6019

■ 44.9207, 44.2168,
43.6543

■ 50.4756, 52.1427,
55.3212

■ 56.7787, 61.1007,
68.6695

Harmonies

Analogous

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



28.0317, 14.1659, 11.0415



24.3716, 14.1659, 2.7461



18.0150, 14.1659, 0.6063

Triad

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



24.3716, 14.1659, 2.7461



5.4364, 14.1659, 6.3829



15.2408, 14.1659, 74.7464

Complementary

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



24.3716, 14.1659, 2.7461



26.7609, 36.5581, 58.4689

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.



9.7527, 14.1659, 69.5677



24.3716, 14.1659, 2.7461



5.0908, 14.1659, 20.8360

Square

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



24.3716, 14.1659, 2.7461



7.5611, 14.1659, 1.4360



6.4212, 14.1659, 45.8112



21.8408, 14.1659, 57.0803

Rectangle

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



24.3716, 14.1659, 2.7461



13.7304, 14.1659, 0.2578



6.4212, 14.1659, 45.8112



13.2016, 14.1659, 75.7839

Sweetspot

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



24.3719, 14.1668, 2.7463



70.9038, 65.4971, 58.3398



31.7948, 16.1618, 44.8375



14.5903, 13.1751, 11.2804



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.



24.3719, 14.1668, 2.7463



41.6474, 22.0748, 2.0658



31.3358, 28.0945, 5.0676



10.7250, 10.8191, 11.0858



15.3568, 8.2308, 0.7793



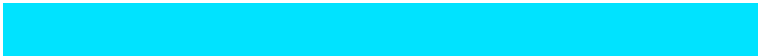
0.7592, 0.4538, 0.0476

Inverse Universe

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



26.7609, 36.5581, 58.4689



45.6102, 62.3403, 104.2367



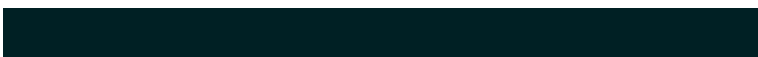
14.9548, 12.9461, 54.5335



10.8446, 11.8634, 13.6358



16.8297, 23.0533, 38.3071



0.8257, 1.1493, 1.8235

Previews

White Background



This preview shows how the XYZ color 24.3716, 14.1659, 2.7461 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 24.3716, 14.1659, 2.7461 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 24.3716, 14.1659, 2.7461

Background



This preview shows how black text looks on a background with the XYZ color 24.3716, 14.1659, 2.7461.



This preview shows how white text looks on a background with the XYZ color 24.3716, 14.1659,

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

24.3716, 14.1659, 2.7461

Protanopia

13.0989, 14.3491, 4.5619

Deuteranopia

14.5345, 14.3954, 2.2710



Tritanopia

24.5760, 14.1167, 4.2258

Trichromacy



Original Color

24.3716, 14.1659, 2.7461

Protanomaly

15.6641, 12.8532, 3.6628

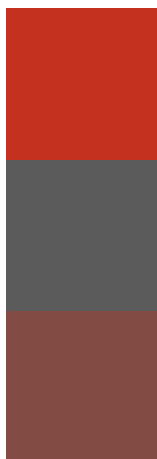
Deuteranomaly

17.0231, 13.2432, 2.1893

Tritanomaly

24.5008, 14.1514, 3.6306

Monochromacy



Original Color

24.3716, 14.1659, 2.7461

Achromatopsia

9.9438, 10.4616, 11.3927

Achromatomaly

12.8645, 10.3444, 6.9489

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.3716, 14.1659, 2.7461 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(197, 49, 31)` looks like.

```
.text, #text, p{  
    color:rgb(197, 49, 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(197, 49, 31) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(197, 49, 31) }
```

Border

The CSS property to change the border of an element to XYZ 24.3716, 14.1659, 2.7461 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(197, 49, 31) }
```


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

```
.border{ border-color:rgb(197, 49, 31) }
```

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

Here you see how a box with a 4 pixel `rgb(197, 49, 31)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(197, 49, 31); -webkit-box-  
shadow:4px 4px 4px 4px rgb(197, 49, 31);  
box-shadow:4px 4px 4px 4px rgb(197, 49,  
31) }
```

Background

The CSS property to change the background color of an element to XYZ 24.3716, 14.1659, 2.7461 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(197, 49, 31) }
```

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

```
.background{ background-color: rgb(197, 49,  
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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