

Converting Colors

XYZ(24.4171, 14.9034, 1.5905)

Have a look what the booklet for
XYZ(24.4171, 14.9034, 1.5905)
contains.

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Color

**XYZ(24.3289, 14.8637,
1.5867)**

Conversions

Conversions Part 1

Format	Color
Hex	C43B00
RGB	196, 59, 0
RGB Percent	77%, 23%, 0%
CMY	0.2314, 0.7686, 1.0000
CMYK	0.00, 0.70, 1.00, 0.23
HSL	18°, 100%, 38%
HSV	18°, 100%, 77%
XYZ	24.3289, 14.8637, 1.5867
YIQ	93.2370, 100.5910, 10.6950

Conversions

Conversions Part 2

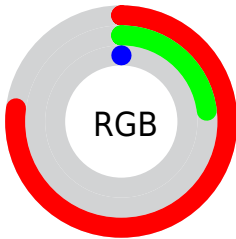
Format	Color
R_{YB}	196, 84, 0
Decimal	12860160
CIE Lab	45.45, 52.61, 57.09
CIE LCh	45, 77.635, 47.340
Yxy	14.8637, 0.5966, 0.3645
Android (android.graphics.Color)	4291050240 (0xFFC43B00)
YUV	93.2370, -45.9658, 90.1232
Hunter-Lab	38.5535, 45.1726, 24.5473

Details

The XYZ color **24.3289, 14.8637, 1.5867** is a dark color, and the websafe version is hex **CC3300**. The color can be described as dark washed red. A complement of this color would be **18.9082, 21.8744, 55.4497**, and the grayscale version is **10.5486, 11.0979, 12.0856**.

A 20% lighter version of the original color is **47.9958, 33.5900, 7.8248**, and **9.6729, 4.9865, 0.4527** is the 20% darker color. If you saturate the color by 10%, you get **24.3291, 14.8644, 1.5868**, and if you desaturate by 10%, it is **25.2509, 16.5117, 2.4996**.

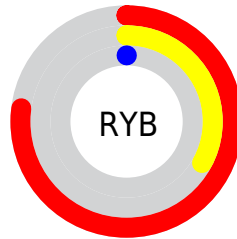
Distribution



Red (77%)

Green (23%)

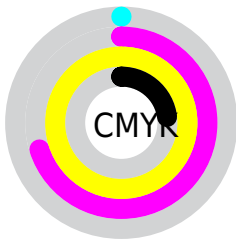
Blue (0%)



Red (77%)

Yellow (33%)

Blue (0%)

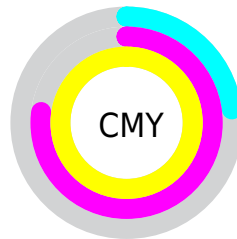


Cyan (0%)

Magenta (70%)

Yellow (100%)

Black (23%)



Cyan (23%)


Magenta (77%)


Yellow (100%)


Brightness & Saturation Gradients

These gradients show how the XYZ color 24.3289, 14.8637, 1.5867 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 24.3289, 14.8637, 1.5867 by changing the saturation by 10% instead.


 24.3289, 14.8637,
1.5867


 24.3289, 14.8637,
1.5867


 266.8888,
222.5397, 115.5876


 15.7038, 8.7238,
0.2813


 50.0172, 34.6139,
7.8765


 9.4043, 4.5615,
0.0000


 67.8111, 48.9930,
13.8466

 5.0651, 1.9923,
0.0000

 89.3920, 66.8872,
22.2582

 2.3206, 0.6030,
0.0000

 115.1252, 88.6810,
33.5299

 0.8052, 0.0000,
0.0000


 145.3762,
114.7588, 48.0801


 0.0000, 0.0000,
0.0000


 180.5102,


145.5049, 66.3274


 220.8926,
181.3037, 88.6904


 24.3289, 14.8637,
1.5867


 24.3289, 14.8637,
1.5867


 24.3291, 14.8644,
1.5868

 25.2509, 16.5117,
2.4996

 26.4948, 18.6044,
4.1316

 28.1165, 21.1843,
6.7179

 30.1498, 24.2824,
10.3814

 32.6242, 27.9271,
15.2267

■ 35.5662, 32.1443,
21.3456

■ 38.9999, 36.9581,
28.8209

■ 42.9477, 42.3915,
37.7283

■ 47.4308, 48.4657,
48.1378

Harmonies

Analogous

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



29.6135, 14.8637, 7.7274



24.3289, 14.8637, 1.5867



17.0289, 14.8637, 0.1824

Triad

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



24.3289, 14.8637, 1.5867



5.1425, 14.8637, 9.5717



18.1630, 14.8637, 79.4415

Complementary

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



24.3289, 14.8637, 1.5867



18.9082, 21.8744, 55.4497

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.



11.5759, 14.8637, 81.6332



24.3289, 14.8637, 1.5867



5.2775, 14.8637, 29.2726

Square

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



24.3289, 14.8637, 1.5867



6.8195, 14.8637, 2.0648



7.2705, 14.8637, 58.9809



25.3741, 14.8637, 54.2483

Rectangle

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



24.3289, 14.8637, 1.5867



12.5990, 14.8637, 0.0949



7.2705, 14.8637, 58.9809



15.7748, 14.8637, 83.3315

Sweetspot

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



24.3292, 14.8646, 1.5869



70.3369, 66.5159, 51.5149



27.2945, 13.5476, 24.9186



14.4649, 13.4137, 9.7298



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.



24.3292, 14.8646, 1.5869



43.8779, 26.5358, 2.8093



34.7879, 35.7819, 5.0731



10.3149, 10.5613, 10.5567



15.6995, 9.6847, 1.0419



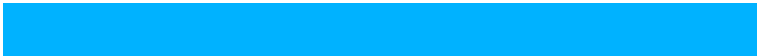
0.7403, 0.5425, 0.0657

Inverse Universe

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



18.9082, 21.8744, 55.4497



34.0160, 39.1519, 100.3720



10.6959, 5.4498, 52.7122



10.1043, 10.8999, 12.8562



12.2278, 14.2120, 35.6553



0.5864, 0.7302, 1.5599

Previews

White Background



This preview shows how the XYZ color 24.3289, 14.8637, 1.5867 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 24.3289, 14.8637, 1.5867

Background



This preview shows how black text looks on a background with the XYZ color 24.3289, 14.8637, 1.5867.



This preview shows how white text looks on a background with the XYZ color 24.3289, 14.8637,

1.5867.

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

24.3289, 14.8637, 1.5867

Protanopia

13.6300, 15.1290, 2.9113

Deuteranopia

15.1668, 15.0189, 2.0996



Tritanopia

25.1307, 14.8981, 5.4220

Trichromacy



Original Color

24.3289, 14.8637, 1.5867

Protanomaly

16.2082, 13.9008, 2.2096

Deuteranomaly

17.5087, 14.0855, 1.7960

Tritanomaly

24.7586, 14.8260, 3.2259

Monochromacy



Original Color

24.3289, 14.8637, 1.5867

Achromatopsia

10.4043, 10.9462, 11.9204

Achromatomaly

12.9378, 10.9465, 5.5687

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.3289, 14.8637, 1.5867 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(196, 59, 0)` looks like.

```
.text, #text, p{  
    color:rgb(196, 59, 0)  
}
```

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(196, 59, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 59, 0) }
```

Border

The CSS property to change the border of an element to XYZ 24.3289, 14.8637, 1.5867 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(196, 59, 0) }
```


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

```
.border{ border-color:rgb(196, 59, 0) }
```

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

Here you see how a box with a 4 pixel rgb(196, 59, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 59, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 59, 0);  
box-shadow:4px 4px 4px 4px rgb(196, 59, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 24.3289, 14.8637, 1.5867 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 59, 0) }
```

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

```
.background{ background-color: rgb(196, 59,  
0) }
```

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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