

Converting Colors

XYZ(24.2164, 13.5079, 1.3309)

Have a look what the booklet for
XYZ(24.2164, 13.5079, 1.3309)
contains.

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Color

**XYZ(24.2463, 13.5283,
1.3333)**

Conversions

Conversions Part 1

Format	Color
Hex	C72600
RGB	199, 38, 0
RGB Percent	78%, 15%, 0%
CMY	0.2196, 0.8509, 1.0000
CMYK	0.00, 0.81, 1.00, 0.22
HSL	11°, 100%, 39%
HSV	11°, 100%, 78%
XYZ	24.2463, 13.5283, 1.3333
YIQ	81.8070, 108.1540, 22.3140

Conversions

Conversions Part 2

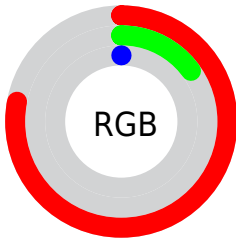
Format	Color
R_{YB}	199, 47, 0
Decimal	13051392
CIE _{Lab}	43.55, 60.43, 56.57
CIE _{LCh}	44, 82.779, 43.111
Yxy	13.5283, 0.6200, 0.3459
Android (android.graphics.Color)	4291241472 (0xFFC72600)
YUV	81.8070, -40.3309, 102.7783
Hunter-Lab	36.7808, 53.3025, 23.5973

Details

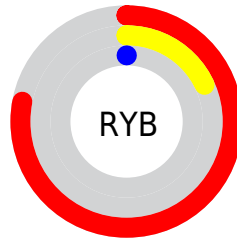
The XYZ color **24.2463, 13.5283, 1.3333** is a dark color, and the websafe version is hex **CC3300**. The color can be described as dark washed red. A complement of this color would be **23.0513, 29.6087, 58.5326**, and the grayscale version is **8.0457, 8.4647, 9.2180**.

A 20% lighter version of the original color is **46.3677, 30.4500, 6.9236**, and **9.9917, 5.1509, 0.4676** is the 20% darker color. If you saturate the color by 10%, you get **24.2465, 13.5291, 1.3334**, and if you desaturate by 10%, it is **25.0028, 14.8410, 2.2040**.

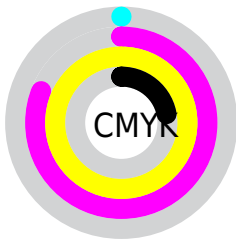
Distribution



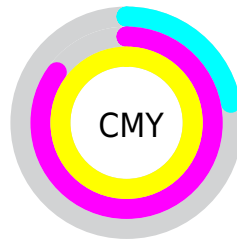
- Red (78%)
- Green (15%)
- Blue (0%)



- Red (78%)
- Yellow (18%)
- Blue (0%)



- Cyan (0%)
- Magenta (81%)
- Yellow (100%)
- Black (22%)





- Cyan (22%)
- Magenta (85%)
- Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the XYZ color 24.2463, 13.5283, 1.3333 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 24.2463, 13.5283, 1.3333 by changing the saturation by 10% instead.


 24.2463, 13.5283,
1.3333


 24.2463, 13.5283,
1.3333


 266.4808,
214.2763, 110.9718


 15.6422, 7.7933,
0.0888


 49.8836, 32.2497,
7.1215


 9.3605, 3.9630,
0.0000


 67.6474, 46.0049,
12.7405


 5.0361, 1.6529,
0.0000

 89.1952, 63.2023,
20.7342

 2.3034, 0.3929,
0.0000

 114.8923, 84.2263,
31.5211


 0.7964, 0.0000,
0.0000


 145.1040,
109.4613, 45.5198


 0.0000, 0.0000,
0.0000


 180.1958,


139.2917, 63.1488


 220.5329,
174.1019, 84.8266


 24.2463, 13.5283,
1.3333


 24.2463, 13.5283,
1.3333


 24.2465, 13.5291,
1.3334

 25.0028, 14.8410,
2.2040

 26.1360, 16.7007,
3.8358

 27.7133, 19.1703,
6.4733

 29.7779, 22.2986,
10.2470

 32.3675, 26.1291,
15.2679

■ 35.5160, 30.7018,
21.6334

■ 39.2544, 36.0531,
29.4316

■ 43.6112, 42.2176,
38.7426

■ 48.6132, 49.2273,
49.6410

Harmonies

Analogous

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



29.1786, 13.5283, 8.0362



24.2463, 13.5283, 1.3333



16.8217, 13.5283, 0.0000

Triad

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



24.2463, 13.5283, 1.3333



4.2499, 13.5283, 6.6143



15.8916, 13.5283, 83.8099

Complementary

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



24.2463, 13.5283, 1.3333



23.0513, 29.6087, 58.5326

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.



9.5720, 13.5283, 81.8869



24.2463, 13.5283, 1.3333



4.1492, 13.5283, 24.3799

Square

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



24.2463, 13.5283, 1.3333



6.0925, 13.5283, 1.0257



5.7467, 13.5283, 54.9595



23.3717, 13.5283, 59.0534

Rectangle

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



24.2463, 13.5283, 1.3333



12.1949, 13.5283, 0.0000



5.7467, 13.5283, 54.9595



13.5452, 13.5283, 86.6335

Sweetspot

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



24.2466, 13.5291, 1.3335



68.4211, 62.6844, 50.8763



30.1206, 14.7691, 35.6868



14.0221, 12.5282, 9.5822



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.



24.2466, 13.5291, 1.3335



42.3262, 23.4324, 2.2921



32.3548, 29.7457, 4.0362



10.7951, 10.9594, 11.1092



15.6398, 8.7968, 0.8736



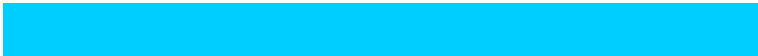
0.7911, 0.5177, 0.0582

Inverse Universe

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



23.0513, 29.6087, 58.5326



40.1912, 51.5024, 102.4304



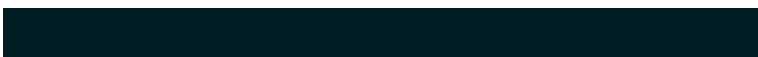
12.0872, 7.6804, 54.8779



10.7679, 11.7098, 13.6102



14.8835, 19.1610, 37.6584



0.7503, 0.9984, 1.7983

Previews

White Background



This preview shows how the XYZ color 24.2463, 13.5283, 1.3333 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 24.2463, 13.5283, 1.3333

Background



This preview shows how black text looks on a background with the XYZ color 24.2463, 13.5283, 1.3333.



This preview shows how white text looks on a background with the XYZ color 24.2463, 13.5283,

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

24.2463, 13.5283, 1.3333

Protanopia

12.4513, 13.7485, 2.8616

Deuteranopia

13.8219, 13.7490, 1.9253



Tritanopia

24.4874, 13.5252, 2.9101

Trichromacy



Original Color

24.2463, 13.5283, 1.3333

Protanomaly

14.9875, 11.9749, 1.9734

Deuteranomaly

16.3642, 12.3757, 1.5263

Tritanomaly

24.3596, 13.5232, 2.0854

Monochromacy



Original Color

24.2463, 13.5283, 1.3333

Achromatopsia

8.0200, 8.4376, 9.1886

Achromatomaly

11.0255, 8.5043, 4.3092

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.2463, 13.5283, 1.3333 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(199, 38, 0)` looks like.

```
.text, #text, p{  
    color:rgb(199, 38, 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(199, 38, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 38, 0) }
```

Border

The CSS property to change the border of an element to XYZ 24.2463, 13.5283, 1.3333 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(199, 38, 0) }
```


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

```
.border{ border-color:rgb(199, 38, 0) }
```

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

Here you see how a box with a 4 pixel rgb(199, 38, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 38, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 38, 0);  
box-shadow:4px 4px 4px 4px rgb(199, 38, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 24.2463, 13.5283, 1.3333 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 38, 0) }
```

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

```
.background{ background-color: rgb(199, 38,  
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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