

Converting Colors

XYZ(24.1778, 13.4553, 1.3228)

Have a look what the booklet for
XYZ(24.1778, 13.4553, 1.3228)
contains.

XYZ(24.2148, 13.4652, 1.3228)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(24.2148, 13.4652,
1.3228)**

Conversions

Conversions Part 1

Format	Color
Hex	C72500
RGB	199, 37, 0
RGB Percent	78%, 15%, 0%
CMY	0.2196, 0.8548, 1.0000
CMYK	0.00, 0.81, 1.00, 0.22
HSL	11°, 100%, 39%
HSV	11°, 100%, 78%
XYZ	24.2148, 13.4652, 1.3228
YIQ	81.2200, 108.4290, 22.8370

Conversions

Conversions Part 2

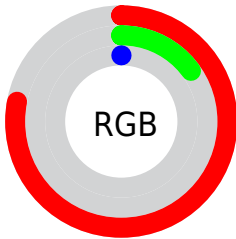
Format	Color
RYB	199, 45, 0
Decimal	13051136
CIELab	43.46, 60.69, 56.53
CIELCh	43, 82.944, 42.967
Yxy	13.4652, 0.6208, 0.3452
Android (android.graphics.Color)	4291241216 (0xFFC72500)
YUV	81.2200, -40.0415, 103.2931
Hunter-Lab	36.6950, 53.5750, 23.5492

Details

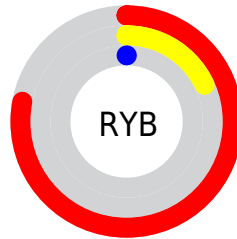
The XYZ color **24.2148, 13.4652, 1.3228** is a dark color, and the websafe version is hex **CC3300**. The color can be described as dark washed red. A complement of this color would be **23.2270, 29.9600, 58.5913**, and the grayscale version is **7.9277, 8.3405, 9.0828**.

A 20% lighter version of the original color is **46.2735, 30.2617, 6.8922**, and **9.9917, 5.1509, 0.4676** is the 20% darker color. If you saturate the color by 10%, you get **24.2150, 13.4659, 1.3229**, and if you desaturate by 10%, it is **24.9613, 14.7578, 2.1902**.

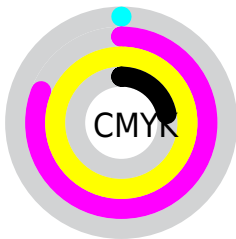
Distribution



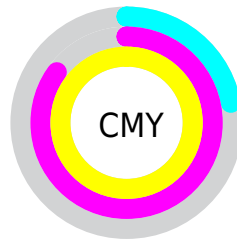
- Red (78%)
- Green (15%)
- Blue (0%)



- 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 24.2148, 13.4652, 1.3228 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 24.2148, 13.4652, 1.3228 by changing the saturation by 10% instead.


 24.2148, 13.4652,
1.3228


 24.2148, 13.4652,
1.3228


 266.3250,
213.8779, 110.7712


 15.6186, 7.7497,
0.0804


 49.8326, 32.1370,
7.0894


 9.3438, 3.9352,
0.0000


 67.5850, 45.8621,
12.6932

 5.0250, 1.6374,
0.0000

 89.1201, 63.0259,
20.6687

 2.2969, 0.3826,
0.0000

 114.8034, 84.0126,
31.4345

 0.7931, 0.0000,
0.0000


 145.0002,
109.2068, 45.4091


 0.0000, 0.0000,
0.0000


 180.0758,


138.9928, 63.0111


 220.3956,
173.7551, 84.6589


 24.2148, 13.4652,
1.3228


 24.2148, 13.4652,
1.3228


 24.2150, 13.4659,
1.3229

 24.9613, 14.7578,
2.1902

 26.0862, 16.6009,
3.8193

 27.6576, 19.0586,
6.4547

 29.7190, 22.1805,
10.2274

 32.3086, 26.0112,
15.2484

■ 35.4607, 30.5909,
21.6152

■ 39.2065, 35.9571,
29.4159

■ 43.5748, 42.1447,
38.7309

■ 48.5928, 49.1864,
49.6346

Harmonies

Analogous

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



29.1288, 13.4652, 8.0376



24.2148, 13.4652, 1.3228



16.7942, 13.4652, 0.0000

Triad

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



24.2148, 13.4652, 1.3228



4.2143, 13.4652, 6.5123



15.7942, 13.4652, 83.8757

Complementary

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



24.2148, 13.4652, 1.3228



23.2270, 29.9600, 58.5913

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.



9.4925, 13.4652, 81.8030



24.2148, 13.4652, 1.3228



4.1064, 13.4652, 24.1850

Square

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



24.2148, 13.4652, 1.3228



6.0595, 13.4652, 0.9952



5.6887, 13.4652, 54.7543



23.2737, 13.4652, 59.1647

Rectangle

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



24.2148, 13.4652, 1.3228



12.1657, 13.4652, 0.0000



5.6887, 13.4652, 54.7543



13.4524, 13.4652, 86.6564

Sweetspot

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



24.2151, 13.4660, 1.3230



68.3361, 62.5143, 50.8479



30.1207, 14.7692, 35.6869



14.0026, 12.4891, 9.5757



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.



24.2151, 13.4660, 1.3230



42.2737, 23.3274, 2.2746



32.3550, 29.7458, 4.0363



10.7908, 10.9508, 11.1077



15.6185, 8.7542, 0.8665



0.7892, 0.5138, 0.0576

Inverse Universe

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



23.2270, 29.9600, 58.5913



40.5018, 52.1237, 102.5339



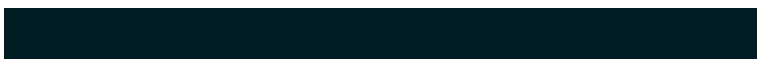
12.0873, 7.6805, 54.8780



10.7725, 11.7192, 13.6117



14.9953, 19.3846, 37.6956



0.7547, 1.0072, 1.7998

Previews

White Background



This preview shows how the XYZ color 24.2148, 13.4652, 1.3228 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

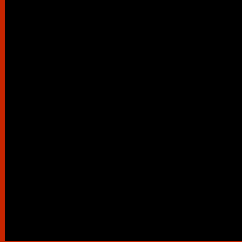
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 24.2148, 13.4652, 1.3228

Background



This preview shows how black text looks on a background with the XYZ color 24.2148, 13.4652, 1.3228.



This preview shows how white text looks on a background with the XYZ color 24.2148, 13.4652,

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

24.2148, 13.4652, 1.3228

Protanopia

12.4513, 13.7485, 2.8616

Deuteranopia

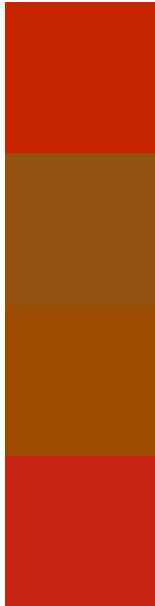
13.8219, 13.7490, 1.9253



Tritanopia

24.4430, 13.4597, 2.8231

Trichromacy



Original Color

24.2148, 13.4652, 1.3228

Protanomaly

14.9875, 11.9749, 1.9734

Deuteranomaly

16.2947, 12.2368, 1.5031

Tritanomaly

24.3289, 13.4618, 2.0752

Monochromacy



Original Color

24.2148, 13.4652, 1.3228

Achromatopsia

7.8210, 8.2283, 8.9606

Achromatomaly

10.8223, 8.3136, 4.2831

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.2148, 13.4652, 1.3228 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, 37, 0)` looks like.

```
.text, #text, p{  
    color:rgb(199, 37, 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, 37, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 37, 0) }
```

Border

The CSS property to change the border of an element to XYZ 24.2148, 13.4652, 1.3228 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, 37, 0) }
```


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

```
.border{ border-color:rgb(199, 37, 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, 37, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 37, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 37, 0);  
box-shadow:4px 4px 4px 4px rgb(199, 37, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 24.2148, 13.4652, 1.3228 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 37, 0) }
```

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

```
.background{ background-color: rgb(199, 37,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor