

Converting Colors

XYZ(21.5131, 6.8068, 0.4076)

Have a look what the booklet for
XYZ(21.5131, 6.8068, 0.4076)
contains.

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Color

**XYZ(24.4010, 12.5741,
1.3707)**

Conversions

Conversions Part 1

Format	Color
Hex	CA0008
RGB	202, 0, 8
RGB Percent	79%, 0%, 3%
CMY	0.2078, 0.9998, 0.9686
CMYK	0.00, 1.00, 0.96, 0.21
HSL	358°, 100%, 40%
HSV	358°, 100%, 79%
XYZ	24.4010, 12.5741, 1.3707
YIQ	61.3100, 117.8240, 45.3120

Conversions

Conversions Part 2

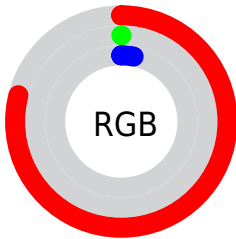
Format	Color
RYB	202, 0, 8
Decimal	13238280
CIELab	42.11, 67.29, 53.67
CIELCh	42, 86.071, 38.578
Yxy	12.5741, 0.6363, 0.3279
Android (android.graphics.Color)	4291428360 (0xFFCA0008)
YUV	61.3100, -26.2818, 123.3851
Hunter-Lab	35.4600, 60.7759, 22.5301

Details

The XYZ color **24.4010, 12.5741, 1.3707** 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 **30.8630, 46.1379, 58.3412**, and the grayscale version is **4.5074, 4.7421, 5.1642**.

A 20% lighter version of the original color is **45.2522, 28.0625, 7.0345**, and **10.3165, 5.3184, 0.4828** is the 20% darker color. If you saturate the color by 10%, you get **24.4006, 12.5739, 1.3696**, and if you desaturate by 10%, it is **24.8140, 13.1464, 2.2913**.

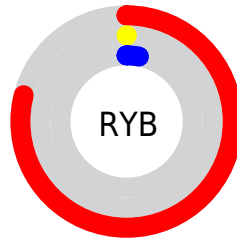
Distribution



Red (79%)

Green (0%)

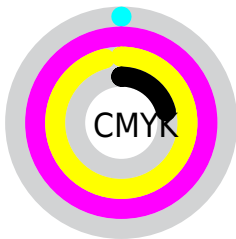
Blue (3%)



Red (79%)

Yellow (0%)

Blue (3%)

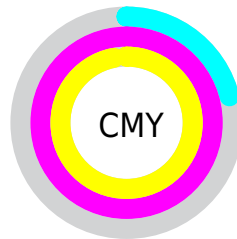


Cyan (0%)

Magenta (100%)

Yellow (96%)

Black (21%)



Cyan (21%)


Magenta (100%)


Yellow (97%)


Brightness & Saturation Gradients

These gradients show how the XYZ color 24.4010, 12.5741, 1.3707 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 24.4010, 12.5741, 1.3707 by changing the saturation by 10% instead.


 24.4010, 12.5741,
1.3707


 24.4010, 12.5741,
1.3707


 267.2446,
208.1698, 111.6797


 15.7577, 7.1359,
0.1187


 50.1337, 30.5365,
7.2353


 9.4426, 3.5473,
0.0000


 67.9538, 43.8295,
12.9081

 5.0904, 1.4237,
0.0000

 89.5636, 60.5096,
20.9659

 2.3357, 0.2341,
0.0000

 115.3284, 80.9611,
31.8274


 0.8128, 0.0000,
0.0000


 145.6135,
105.5685, 45.9109


 0.0000, 0.0000,
0.0000


 180.7843,


134.7162, 63.6351


 221.2062,
168.7885, 85.4185


 24.4010, 12.5741,
1.3707


 24.4010, 12.5741,
1.3707

 24.4006, 12.5739,
1.3696

 24.8140, 13.1464,
2.2913

 25.6400, 14.3077,
4.0794

 26.9963, 16.2516,
6.9012

 28.9519, 19.0835,
10.8808

 31.5655, 22.8921,
16.1249

■ 34.8886, 27.7558,
22.7282

■ 38.9679, 33.7449,
30.7761

■ 43.8458, 40.9234,
40.3473

■ 49.5617, 49.3509,
51.5145

Harmonies

Analogous

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



28.7408, 12.5741, 9.0741



24.4010, 12.5741, 1.3707



17.0392, 12.5741, 0.0000

Triad

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



24.4010, 12.5741, 1.3707



3.7601, 12.5741, 4.4248



13.8846, 12.5741, 86.6030

Complementary

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



24.4010, 12.5741, 1.3707



30.8630, 46.1379, 58.3412

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.



7.9928, 12.5741, 79.8021



24.4010, 12.5741, 1.3707



3.4397, 12.5741, 19.6566

Square

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



24.4010, 12.5741, 1.3707



5.7976, 12.5741, 0.3722



4.6757, 12.5741, 49.5819



21.3971, 12.5741, 63.9426

Rectangle

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



24.4010, 12.5741, 1.3707



12.2597, 12.5741, 0.0000



4.6757, 12.5741, 49.5819



11.6481, 12.5741, 87.9223

Sweetspot

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



24.4013, 12.5749, 1.3709



65.6535, 56.6575, 51.4693



32.3744, 15.4588, 57.1543



13.3914, 11.1558, 9.7141



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.



24.4013, 12.5749, 1.3709



41.2951, 21.2820, 2.2199



28.0917, 20.0255, 2.3859



11.2299, 11.2207, 11.7455



15.7093, 8.0943, 0.9220



0.8168, 0.4201, 0.0813

Inverse Universe

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



24.4013, 12.5749, 1.3709



41.2951, 21.2820, 2.2199



16.3585, 15.6592, 58.0371



11.2299, 11.2207, 11.7455



15.7093, 8.0943, 0.9220



0.8168, 0.4201, 0.0813

Previews

White Background



This preview shows how the XYZ color 24.4010, 12.5741, 1.3707 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 24.4010, 12.5741, 1.3707

Background



This preview shows how black text looks on a background with the XYZ color 24.4010, 12.5741, 1.3707.



This preview shows how white text looks on a background with the XYZ color 24.4010, 12.5741,

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

24.4010, 12.5741, 1.3707

Protanopia

11.9004, 13.1640, 3.0123

Deuteranopia

13.1768, 13.1386, 1.8415



Tritanopia

24.0523, 12.7451, 1.1924

Trichromacy



Original Color

24.4010, 12.5741, 1.3707

Protanomaly

13.8797, 9.9457, 1.8976

Deuteranomaly

15.2566, 10.4204, 1.2934

Tritanomaly

24.2353, 12.6870, 1.2576

Monochromacy



Original Color

24.4010, 12.5741, 1.3707

Achromatopsia

4.4355, 4.6665, 5.0818

Achromatomaly

7.8255, 5.0629, 2.7553

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.4010, 12.5741, 1.3707 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(202, 0, 8)` looks like.

```
.text, #text, p{  
    color:rgb(202, 0, 8)  
}
```

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(202, 0, 8) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 0, 8) }
```

Border

The CSS property to change the border of an element to XYZ 24.4010, 12.5741, 1.3707 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(202, 0, 8) }
```


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

```
.border{ border-color:rgb(202, 0, 8) }
```

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

Here you see how a box with a 4 pixel `rgb(202, 0, 8)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 0, 8); -webkit-box-shadow:4px  
4px 4px 4px rgb(202, 0, 8); box-shadow:4px  
4px 4px 4px rgb(202, 0, 8) }
```

Background

The CSS property to change the background color of an element to XYZ 24.4010, 12.5741, 1.3707 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 0, 8) }
```

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

```
.background{ background-color: rgb(202, 0,  
8) }
```

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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