

Converting Colors

XYZ(24.7230, 12.7371, 1.5219)

Have a look what the booklet for
XYZ(24.7230, 12.7371, 1.5219)
contains.

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Color

**XYZ(24.7012, 12.7256,
1.5351)**

Conversions

Conversions Part 1

Format	Color
Hex	CB000D
RGB	203, 0, 13
RGB Percent	80%, 0%, 5%
CMY	0.2039, 0.9998, 0.9490
CMYK	0.00, 1.00, 0.94, 0.20
HSL	356°, 100%, 40%
HSV	356°, 100%, 80%
XYZ	24.7012, 12.7256, 1.5351
YIQ	62.1790, 116.8150, 47.0790

Conversions

Conversions Part 2

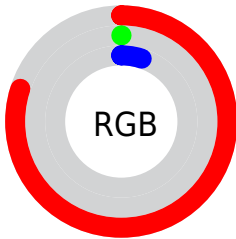
Format	Color
RYB	203, 0, 13
Decimal	13303821
CIELab	42.35, 67.58, 52.28
CIElCh	42, 85.445, 37.726
Yxy	12.7256, 0.6340, 0.3266
Android (android.graphics.Color)	4291493901 (0xFFCB000D)
YUV	62.1790, -24.2452, 123.5000
Hunter-Lab	35.6730, 61.1719, 22.4197

Details

The XYZ color **24.7012, 12.7256, 1.5351** 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 **30.6556, 46.4314, 56.0880**, and the grayscale version is **4.6305, 4.8716, 5.3052**.

A 20% lighter version of the original color is **45.3308, 28.0939, 7.4483**, and **10.4812, 5.4033, 0.4905** is the 20% darker color. If you saturate the color by 10%, you get **24.7007, 12.7253, 1.5336**, and if you desaturate by 10%, it is **25.1454, 13.3133, 2.6111**.

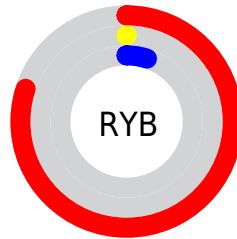
Distribution



Red (80%)

Green (0%)

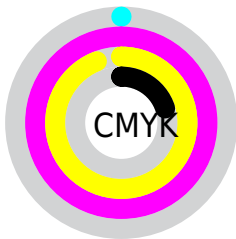
Blue (5%)



Red (80%)

Yellow (0%)

Blue (5%)

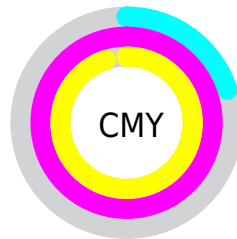


Cyan (0%)

Magenta (100%)

Yellow (94%)

Black (20%)



Cyan (20%)


Magenta (100%)


Yellow (95%)


Brightness & Saturation Gradients


These gradients show how the XYZ color 24.7012, 12.7256, 1.5351 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 24.7012, 12.7256, 1.5351 by changing the saturation by 10% instead.


 24.7012, 12.7256,
1.5351


 24.7012, 12.7256,
1.5351


 268.7218,
209.1515, 114.6800


 15.9821, 7.2399,
0.2439


 50.6185, 30.8099,
7.7257


 9.6023, 3.6126,
0.0000


 68.5474, 44.1773,
13.6267

 5.1963, 1.4593,
0.0000

 90.2769, 60.9407,
21.9562

 2.3988, 0.2598,
0.0000

 116.1724, 81.4845,
33.1327

 0.8445, 0.0000,
0.0000


 146.5993,
106.1931, 47.5748


 0.0000, 0.0000,
0.0000


 181.9230,


135.4508, 65.7010


 222.5087,
169.6422, 87.9299

 24.7012, 12.7256,
1.5351


 24.7012, 12.7256,
1.5351


 24.7007, 12.7253,
1.5336

 25.1454, 13.3133,
2.6111

 26.0068, 14.4969,
4.5603

 27.4000, 16.4704,
7.5313

 29.3929, 19.3393,
11.6384

 32.0430, 23.1932,
16.9809

■ 35.4013, 28.1104,
23.6472

■ 39.5135, 34.1618,
31.7173

■ 44.4218, 41.4120,
41.2653

■ 50.1650, 49.9205,
52.3598

Harmonies

Analogous

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



28.8858, 12.7256, 9.6310



24.7012, 12.7256, 1.5351



17.3958, 12.7256, 0.0000

Triad

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



24.7012, 12.7256, 1.5351



3.8979, 12.7256, 4.3195



13.8294, 12.7256, 86.5502

Complementary

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



24.7012, 12.7256, 1.5351



30.6556, 46.4314, 56.0880

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.



7.9984, 12.7256, 78.9362



24.7012, 12.7256, 1.5351



3.5303, 12.7256, 19.1649

Square

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



24.7012, 12.7256, 1.5351



6.0115, 12.7256, 0.3796



4.7300, 12.7256, 48.6323



21.3154, 12.7256, 64.7439

Rectangle

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



24.7012, 12.7256, 1.5351



12.5912, 12.7256, 0.0000



4.7300, 12.7256, 48.6323



11.6126, 12.7256, 87.5466

Sweetspot

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



24.7015, 12.7264, 1.5353



65.8472, 56.7350, 52.4892



31.8826, 15.1916, 57.7512



13.4353, 11.1734, 9.9452



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.



24.7015, 12.7264, 1.5353



41.3356, 21.2982, 2.4334



28.1177, 19.6746, 2.3169



11.2409, 11.2251, 11.8031



15.7315, 8.1032, 1.0389



0.8220, 0.4222, 0.1083

Inverse Universe

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



24.7015, 12.7264, 1.5353



41.3356, 21.2982, 2.4334



16.9167, 16.5855, 58.8090



11.2409, 11.2251, 11.8031



15.7315, 8.1032, 1.0389



0.8220, 0.4222, 0.1083

Previews

White Background



This preview shows how the XYZ color 24.7012, 12.7256, 1.5351 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 24.7012, 12.7256, 1.5351

Background



This preview shows how black text looks on a background with the XYZ color 24.7012, 12.7256, 1.5351.



This preview shows how white text looks on a background with the XYZ color 24.7012, 12.7256,

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

24.7012, 12.7256, 1.5351

Protanopia

12.1678, 13.4443, 3.2500

Deuteranopia

13.3280, 13.2165, 1.8486

Trichromacy



Original Color

24.7012, 12.7256, 1.5351

Protanomaly

14.1457, 10.1654, 2.0807

Deuteranomaly

15.4603, 10.5241, 1.3601

Monochromacy



Original Color

24.7012, 12.7256, 1.5351

Achromatopsia

4.5787, 4.8172, 5.2459

Achromatomaly

7.9902, 5.1436, 2.9546

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.7012, 12.7256, 1.5351 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(203, 0, 13)` looks like.

```
.text, #text, p{  
    color:rgb(203, 0, 13)  
}
```

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(203, 0, 13) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 0, 13) }
```

Border

The CSS property to change the border of an element to XYZ 24.7012, 12.7256, 1.5351 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(203, 0, 13) }
```

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

```
.border{ border-color:rgb(203, 0, 13) }
```

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

Here you see how a box with a 4 pixel `rgb(203, 0, 13)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 0, 13); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 0, 13);  
box-shadow:4px 4px 4px 4px rgb(203, 0, 13)  
}
```


Background

The CSS property to change the background color of an element to XYZ 24.7012, 12.7256, 1.5351 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 0, 13) }
```

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

```
.background{ background-color: rgb(203, 0,  
13) }
```

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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