

Converting Colors

XYZ(24.9251, 12.8467, 1.2880)

Have a look what the booklet for
XYZ(24.9251, 12.8467, 1.2880)
contains.

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Color

**XYZ(24.9238, 12.8461,
1.2808)**

Conversions

Conversions Part 1

Format	Color
Hex	CC0004
RGB	204, 0, 4
RGB Percent	80%, 0%, 2%
CMY	0.2000, 0.9998, 0.9843
CMYK	0.00, 1.00, 0.98, 0.20
HSL	359°, 100%, 40%
HSV	359°, 100%, 80%
XYZ	24.9238, 12.8461, 1.2808
YIQ	61.4520, 120.3000, 44.4920

Conversions

Conversions Part 2

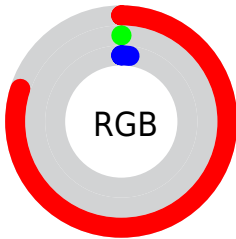
Format	Color
RYB	204, 0, 4
Decimal	13369348
CIELab	42.53, 67.75, 55.43
CIElCh	43, 87.533, 39.289
Yxy	12.8461, 0.6382, 0.3290
Android (android.graphics.Color)	4291559428 (0xFFCC0004)
YUV	61.4520, -28.3238, 125.0146
Hunter-Lab	35.8415, 61.4046, 22.9703

Details

The XYZ color **24.9238, 12.8461, 1.2808** 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 **32.0230, 47.3577, 62.1197**, and the grayscale version is **4.5302, 4.7661, 5.1903**.

A 20% lighter version of the original color is **45.1781, 28.0328, 6.6442**, and **10.6475, 5.4890, 0.4983** is the 20% darker color. If you saturate the color by 10%, you get **24.9234, 12.8460, 1.2797**, and if you desaturate by 10%, it is **25.3246, 13.4192, 2.1199**.

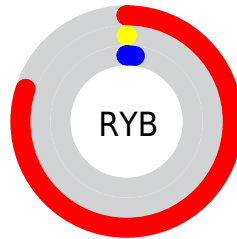
Distribution



Red (80%)

Green (0%)

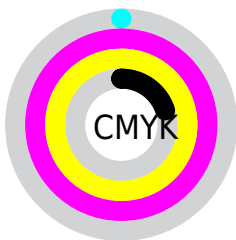
Blue (2%)



Red (80%)

Yellow (0%)

Blue (2%)

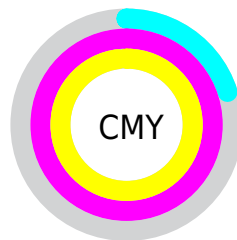


Cyan (0%)

Magenta (100%)

Yellow (98%)

Black (20%)



Cyan (20%)


Magenta (100%)


Yellow (98%)


Brightness & Saturation Gradients

These gradients show how the XYZ color 24.9238, 12.8461, 1.2808 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 24.9238, 12.8461, 1.2808 by changing the saturation by 10% instead.


 24.9238, 12.8461,
1.2808


 24.9238, 12.8461,
1.2808


 269.8129,
209.9290, 109.9606


 16.1487, 7.3227,
0.0460


 50.9774, 31.0270,
6.9602

 9.7210, 3.6647,
0.0000


 68.9866, 44.4533,
12.5024

 5.2752, 1.4878,
0.0000

 90.8045, 61.2826,
20.4045

 2.4460, 0.2801,
0.0000

 116.7965, 81.8994,
31.0849

 0.8681, 0.0000,
0.0000


 147.3281,
106.6880, 44.9622


 0.0000, 0.0000,
0.0000


 182.7644,


136.0329, 62.4549


 223.4709,
170.3184, 83.9815


 24.9238, 12.8461,
1.2808


 24.9238, 12.8461,
1.2808


 24.9234, 12.8460,
1.2797

 25.3246, 13.4192,
2.1199

 26.1439, 14.5940,
3.8227

 27.5090, 16.5707,
6.6009

 29.4927, 19.4580,
10.5922

 32.1566, 23.3476,
15.9137

■ 35.5549, 28.3203,
22.6690

■ 39.7362, 34.4484,
30.9514

■ 44.7450, 41.7981,
40.8461

■ 50.6227, 50.4307,
52.4324

Harmonies

Analogous

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



29.5369, 12.8461, 8.8961



24.9238, 12.8461, 1.2808



17.2784, 12.8461, 0.0000

Triad

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



24.9238, 12.8461, 1.2808



3.7628, 12.8461, 4.6601



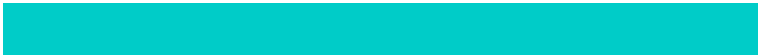
14.3784, 12.8461, 89.4298

Complementary

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



24.9238, 12.8461, 1.2808



32.0230, 47.3577, 62.1197

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.



8.2443, 12.8461, 83.1259



24.9238, 12.8461, 1.2808



3.4720, 12.8461, 20.7236

Square

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



24.9238, 12.8461, 1.2808



5.8007, 12.8461, 0.3902



4.7785, 12.8461, 52.0131



22.1553, 12.8461, 65.3008

Rectangle

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



24.9238, 12.8461, 1.2808



12.3681, 12.8461, 0.0000



4.7785, 12.8461, 52.0131



12.0529, 12.8461, 91.0745

Sweetspot

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



24.9241, 12.8469, 1.2810



65.4969, 56.5949, 50.6444



33.9781, 16.2579, 58.4737



13.3560, 11.1417, 9.5277



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.



24.9241, 12.8469, 1.2810



41.2671, 21.2709, 2.0729



29.0141, 21.0617, 2.5372



11.2210, 11.2171, 11.6985



15.6912, 8.0871, 0.8264



0.8126, 0.4185, 0.0593

Inverse Universe

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



24.9241, 12.8469, 1.2810



41.2671, 21.2709, 2.0729



16.3488, 15.2584, 59.2099



11.2210, 11.2171, 11.6985



15.6912, 8.0871, 0.8264



0.8126, 0.4185, 0.0593

Previews

White Background



This preview shows how the XYZ color 24.9238, 12.8461, 1.2808 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 24.9238, 12.8461, 1.2808

Background



This preview shows how black text looks on a background with the XYZ color 24.9238, 12.8461, 1.2808.



This preview shows how white text looks on a background with the XYZ color 24.9238, 12.8461,

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

24.9238, 12.8461, 1.2808

Protanopia

12.2505, 13.4926, 2.9956

Deuteranopia

13.5736, 13.4812, 1.8867



Tritanopia

24.5900, 13.0223, 1.2175

Trichromacy



Original Color

24.9238, 12.8461, 1.2808

Protanomaly

14.2785, 10.2393, 1.8399

Deuteranomaly

15.6327, 10.6155, 1.2538

Tritanomaly

24.7656, 12.9616, 1.2253

Monochromacy



Original Color

24.9238, 12.8461, 1.2808

Achromatopsia

4.4355, 4.6665, 5.0818

Achromatomaly

7.9186, 5.1149, 2.5774

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.9238, 12.8461, 1.2808 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(204, 0, 4)` looks like.

```
.text, #text, p{  
    color:rgb(204, 0, 4)  
}
```

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(204, 0, 4) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 0, 4) }
```

Border

The CSS property to change the border of an element to XYZ 24.9238, 12.8461, 1.2808 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(204, 0, 4) }
```


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

```
.border{ border-color:rgb(204, 0, 4) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 0, 4)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 0, 4); -webkit-box-shadow:4px  
4px 4px 4px rgb(204, 0, 4); box-shadow:4px  
4px 4px 4px rgb(204, 0, 4) }
```

Background

The CSS property to change the background color of an element to XYZ 24.9238, 12.8461, 1.2808 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 0, 4) }
```

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

```
.background{ background-color: rgb(204, 0,  
4) }
```

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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