

Converting Colors

XYZ(24.9313, 12.8491, 1.3203)

Have a look what the booklet for
XYZ(24.9313, 12.8491, 1.3203)
contains.

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Color

**XYZ(24.9292, 12.8483,
1.3096)**

Conversions

Conversions Part 1

Format	Color
Hex	CC0005
RGB	204, 0, 5
RGB Percent	80%, 0%, 2%
CMY	0.2000, 0.9998, 0.9804
CMYK	0.00, 1.00, 0.98, 0.20
HSL	359°, 100%, 40%
HSV	359°, 100%, 80%
XYZ	24.9292, 12.8483, 1.3096
YIQ	61.5660, 119.9790, 44.8030

Conversions

Conversions Part 2

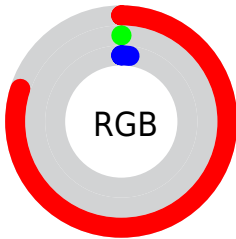
Format	Color
RYB	204, 0, 5
Decimal	13369349
CIELab	42.53, 67.76, 55.10
CIELCh	43, 87.330, 39.117
Yxy	12.8483, 0.6378, 0.3287
Android (android.graphics.Color)	4291559429 (0xFFCC0005)
YUV	61.5660, -27.8870, 124.9146
Hunter-Lab	35.8445, 61.4155, 22.9250

Details

The XYZ color **24.9292, 12.8483, 1.3096** 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 **31.9069, 47.3111, 61.5087**, and the grayscale version is **4.5462, 4.7830, 5.2087**.

A 20% lighter version of the original color is **45.2023, 28.0425, 6.7717**, and **10.6475, 5.4890, 0.4983** is the 20% darker color. If you saturate the color by 10%, you get **24.9288, 12.8481, 1.3084**, and if you desaturate by 10%, it is **25.3341, 13.4231, 2.1699**.

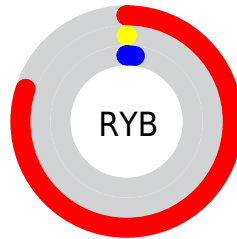
Distribution



Red (80%)

Green (0%)

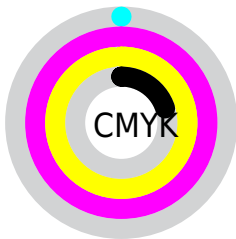
Blue (2%)



Red (80%)

Yellow (0%)

Blue (2%)

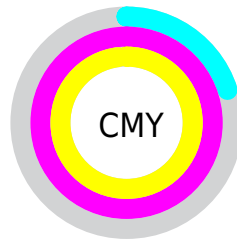


Cyan (0%)

Magenta (100%)

Yellow (98%)

Black (20%)



Cyan (20%)


Magenta (100%)


Yellow (98%)


Brightness & Saturation Gradients


These gradients show how the XYZ color 24.9292, 12.8483, 1.3096 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 24.9292, 12.8483, 1.3096 by changing the saturation by 10% instead.


 24.9292, 12.8483,
1.3096


 24.9292, 12.8483,
1.3096


 269.8393,
209.9431, 110.5179


 16.1528, 7.3242,
0.0696


 50.9861, 31.0310,
7.0489


 9.7239, 3.6656,
0.0000


 68.9972, 44.4583,
12.6335


 5.2771, 1.4883,
0.0000

 90.8173, 61.2888,
20.5860

 2.4472, 0.2805,
0.0000

 116.8117, 81.9070,
31.3252

 0.8687, 0.0000,
0.0000


 147.3457,
106.6970, 45.2694


 0.0000, 0.0000,
0.0000


 182.7848,


136.0435, 62.8372


 223.4942,
170.3307, 84.4472


 24.9292, 12.8483,
1.3096

 24.9292, 12.8483,
1.3096


 24.9288, 12.8481,
1.3084

 25.3341, 13.4231,
2.1699

 26.1591, 14.6002,
3.9027

 27.5291, 16.5790,
6.7065

 29.5165, 19.4678,
10.7165

 32.1823, 23.3583,
16.0481

■ 35.5805, 28.3311,
22.8029

■ 39.7595, 34.4584,
31.0729

■ 44.7636, 41.8063,
40.9422

■ 50.6338, 50.4360,
52.4889

Harmonies

Analogous

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



29.4991, 12.8483, 8.9882



24.9292, 12.8483, 1.3096



17.3129, 12.8483, 0.0000

Triad

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



24.9292, 12.8483, 1.3096



3.7826, 12.8483, 4.6266



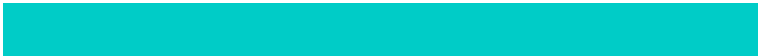
14.3334, 12.8483, 89.2108

Complementary

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



24.9292, 12.8483, 1.3096



31.9069, 47.3111, 61.5087

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.



8.2264, 12.8483, 82.7472



24.9292, 12.8483, 1.3096



3.4829, 12.8483, 20.5690

Square

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



24.9292, 12.8483, 1.3096



5.8314, 12.8483, 0.3900



4.7790, 12.8483, 51.6875



22.0866, 12.8483, 65.3176

Rectangle

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



24.9292, 12.8483, 1.3096



12.4084, 12.8483, 0.0000



4.7790, 12.8483, 51.6875



12.0175, 12.8483, 90.7828

Sweetspot

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



24.9295, 12.8491, 1.3098



65.5349, 56.6101, 50.8450



33.9780, 16.2579, 58.4735



13.3646, 11.1451, 9.5730



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.



24.9295, 12.8491, 1.3098



41.2740, 21.2736, 2.1088



29.0141, 21.0619, 2.5374



11.2232, 11.2180, 11.7100



15.6956, 8.0888, 0.8497



0.8137, 0.4189, 0.0647

Inverse Universe

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



24.9295, 12.8491, 1.3098



41.2740, 21.2736, 2.1088



16.3489, 15.2586, 59.2098



11.2232, 11.2180, 11.7100



15.6956, 8.0888, 0.8497



0.8137, 0.4189, 0.0647

Previews

White Background



This preview shows how the XYZ color 24.9292, 12.8483, 1.3096 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 24.9292, 12.8483, 1.3096

Background



This preview shows how black text looks on a background with the XYZ color 24.9292, 12.8483, 1.3096.



This preview shows how white text looks on a background with the XYZ color 24.9292, 12.8483,

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

24.9292, 12.8483, 1.3096

Protanopia

12.2505, 13.4926, 2.9956

Deuteranopia

13.5736, 13.4812, 1.8867



Tritanopia

24.5900, 13.0223, 1.2175

Trichromacy



Original Color

24.9292, 12.8483, 1.3096

Protanomaly

14.2785, 10.2393, 1.8399

Deuteranomaly

15.6382, 10.6177, 1.2826

Tritanomaly

24.7710, 12.9638, 1.2541

Monochromacy



Original Color

24.9292, 12.8483, 1.3096

Achromatopsia

4.5787, 4.8172, 5.2459

Achromatomaly

8.0652, 5.1885, 2.6742

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.9292, 12.8483, 1.3096 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, 5)` looks like.

```
.text, #text, p{  
    color:rgb(204, 0, 5)  
}
```

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, 5) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 0, 5) }
```

Border

The CSS property to change the border of an element to XYZ 24.9292, 12.8483, 1.3096 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, 5) }
```


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

```
.border{ border-color:rgb(204, 0, 5) }
```

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, 5)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 0, 5); -webkit-box-shadow:4px  
4px 4px 4px rgb(204, 0, 5); box-shadow:4px  
4px 4px 4px rgb(204, 0, 5) }
```

Background

The CSS property to change the background color of an element to XYZ 24.9292, 12.8483, 1.3096 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, 5) }
```

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

```
.background{ background-color: rgb(204, 0,  
5) }
```

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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