

Converting Colors

XYZ(24.9530, 12.9398, 1.1825)

Have a look what the booklet for
XYZ(24.9530, 12.9398, 1.1825)
contains.

XYZ(24.9561, 12.9459, 1.1835)	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(24.9561, 12.9459,
1.1835)**

Conversions

Conversions Part 1

Format	Color
Hex	CC0500
RGB	204, 5, 0
RGB Percent	80%, 2%, 0%
CMY	0.2000, 0.9802, 1.0000
CMYK	0.00, 0.98, 1.00, 0.20
HSL	1°, 100%, 40%
HSV	1°, 100%, 80%
XYZ	24.9561, 12.9459, 1.1835
YIQ	63.9310, 120.2090, 40.6330

Conversions

Conversions Part 2

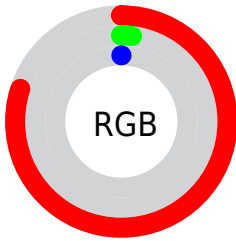
Format	Color
RYB	204, 5, 0
Decimal	13370624
CIELab	42.68, 67.23, 56.87
CIELCh	43, 88.061, 40.228
Yxy	12.9459, 0.6385, 0.3312
Android (android.graphics.Color)	4291560704 (0xFFCC0500)
YUV	63.9310, -31.5180, 122.8405
Hunter-Lab	35.9804, 60.8423, 23.2361

Details

The XYZ color **24.9561, 12.9459, 1.1835** 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 **31.3127, 45.1871, 64.1979**, and the grayscale version is **4.8995, 5.1546, 5.6134**.

A 20% lighter version of the original color is **45.2104, 28.1726, 6.4232**, and **10.6475, 5.4890, 0.4983** is the 20% darker color. If you saturate the color by 10%, you get **24.9563, 12.9467, 1.1836**, and if you desaturate by 10%, it is **25.3778, 13.5819, 1.9647**.

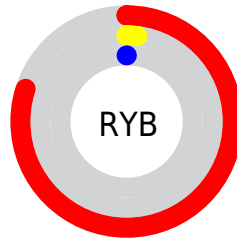
Distribution



Red (80%)

Green (2%)

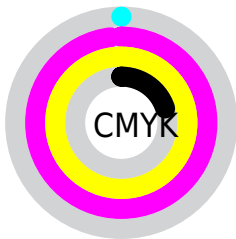
Blue (0%)



Red (80%)

Yellow (2%)

Blue (0%)

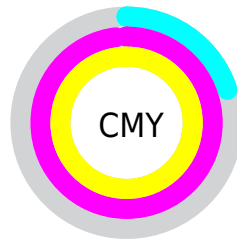


Cyan (0%)

Magenta (98%)

Yellow (100%)

Black (20%)



Cyan (20%)


Magenta (98%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the XYZ color 24.9561, 12.9459, 1.1835 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 24.9561, 12.9459, 1.1835 by changing the saturation by 10% instead.


 24.9561, 12.9459,
1.1835


 24.9561, 12.9459,
1.1835


 269.9709,
210.5707, 108.0284


 16.1729, 7.3913,
0.0000


 51.0294, 31.2066,
6.6560

 9.7382, 3.7080,
0.0000


 69.0502, 44.6814,
12.0518

 5.2867, 1.5116,
0.0000

 90.8810, 61.5651,
19.7787

 2.4529, 0.2969,
0.0000

 116.8870, 82.2421,
30.2552


 0.8716, 0.0000,
0.0000


 147.4336,
107.0968, 43.8999


 0.0000, 0.0000,
0.0000


 182.8863,


136.5135, 61.1313


 223.6102,
170.8767, 82.3680


 24.9561, 12.9459,
1.1835


 24.9561, 12.9459,
1.1835


 24.9563, 12.9467,
1.1836

 25.3778, 13.5819,
1.9647

 26.2305, 14.8601,
3.5655

 27.6242, 16.9261,
6.2545

 29.6286, 19.8787,
10.1787

 32.3030, 23.8026,
15.4625

■ 35.6995, 28.7726,
22.2151

■ 39.8653, 34.8560,
30.5344

■ 44.8435, 42.1147,
40.5103

■ 50.6739, 50.6059,
52.2255

Harmonies

Analogous

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



29.7805, 12.9459, 8.5185



24.9561, 12.9459, 1.1835



17.1844, 12.9459, 0.0000

Triad

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



24.9561, 12.9459, 1.1835



3.7402, 12.9459, 4.9510



14.7306, 12.9459, 90.2019

Complementary

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



24.9561, 12.9459, 1.1835



31.3127, 45.1871, 64.1979

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.



8.4491, 12.9459, 84.8478



24.9561, 12.9459, 1.1835



3.4956, 12.9459, 21.6932

Square

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



24.9561, 12.9459, 1.1835



5.7310, 12.9459, 0.4443



4.8696, 12.9459, 53.7319



22.6108, 12.9459, 65.0076

Rectangle

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



24.9561, 12.9459, 1.1835



12.2537, 12.9459, 0.0000



4.8696, 12.9459, 53.7319



12.3558, 12.9459, 92.2318

Sweetspot

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



24.9564, 12.9467, 1.1837



65.7264, 57.2949, 49.9780



35.3972, 17.0355, 56.4340



13.4078, 11.2996, 9.3774



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.



24.9564, 12.9467, 1.1837



41.3084, 21.3968, 1.9528



29.9941, 23.0222, 2.8629



11.2342, 11.2573, 11.6602



15.7180, 8.1689, 0.7483



0.8188, 0.4374, 0.0413

Inverse Universe

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



31.3127, 45.1871, 64.1979



51.8325, 74.7850, 106.3108



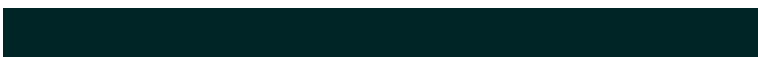
15.3231, 13.2078, 58.8680



11.5186, 12.6776, 14.4103



19.7195, 28.4629, 40.4108



1.0250, 1.4837, 2.0873

Previews

White Background



This preview shows how the XYZ color 24.9561, 12.9459, 1.1835 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 24.9561, 12.9459, 1.1835

Background



This preview shows how black text looks on a background with the XYZ color 24.9561, 12.9459, 1.1835.



This preview shows how white text looks on a background with the XYZ color 24.9561, 12.9459,

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

24.9561, 12.9459, 1.1835

Protanopia

12.2392, 13.4881, 2.9357

Deuteranopia

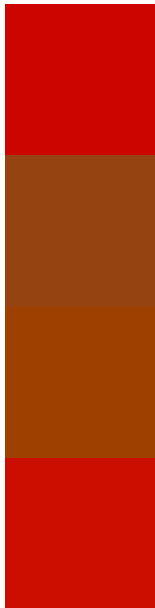
13.5736, 13.4812, 1.8867



Tritanopia

24.8615, 13.1623, 1.2302

Trichromacy



Original Color

24.9561, 12.9459, 1.1835

Protanomaly

14.3211, 10.3507, 1.7734

Deuteranomaly

15.7380, 10.8349, 1.2619

Tritanomaly

24.7856, 13.0106, 1.2049

Monochromacy



Original Color

24.9561, 12.9459, 1.1835

Achromatopsia

4.8732, 5.1269, 5.5832

Achromatomaly

8.3343, 5.5327, 2.7265

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.9561, 12.9459, 1.1835 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, 5, 0)` looks like.

```
.text, #text, p{  
    color:rgb(204, 5, 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(204, 5, 0) colored shadow looks like.

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

Border

The CSS property to change the border of an element to XYZ 24.9561, 12.9459, 1.1835 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, 5, 0) }
```


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

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

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

Here you see how a box with a 4 pixel `rgb(204, 5, 0)` colored shadow looks like.

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

Background

The CSS property to change the background color of an element to XYZ 24.9561, 12.9459, 1.1835 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 5, 0) }
```

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

```
.background{ background-color: rgb(204, 5,  
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](#).

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