

Converting Colors

XYZ(24.2758, 12.5414, 1.3998)

Have a look what the booklet for
XYZ(24.2758, 12.5414, 1.3998)
contains.

XYZ(24.1584, 12.4806, 1.3942)	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(24.1584, 12.4806,
1.3942)**

Conversions

Conversions Part 1

Format	Color
Hex	C90209
RGB	201, 2, 9
RGB Percent	79%, 1%, 4%
CMY	0.2118, 0.9920, 0.9647
CMYK	0.00, 0.99, 0.96, 0.21
HSL	358°, 98%, 40%
HSV	358°, 99%, 79%
XYZ	24.1584, 12.4806, 1.3942
YIQ	62.2990, 116.3570, 44.3650

Conversions

Conversions Part 2

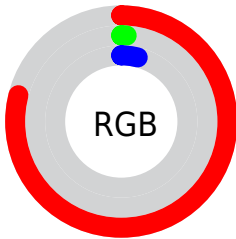
Format	Color
RYB	201, 2, 9
Decimal	13173257
CIELab	41.97, 66.85, 53.16
CIELCh	42, 85.411, 38.490
Yxy	12.4806, 0.6352, 0.3282
Android (android.graphics.Color)	4291363337 (0xFFC90209)
YUV	62.2990, -26.2764, 121.6408
Hunter-Lab	35.3279, 60.2405, 22.3897

Details

The XYZ color **24.1584, 12.4806, 1.3942** 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 **30.6537, 45.6828, 58.2622**, and the grayscale version is **4.6503, 4.8925, 5.3280**.

A 20% lighter version of the original color is **45.2522, 28.0625, 7.0345**, and **10.1533, 5.2342, 0.4752** is the 20% darker color. If you saturate the color by 10%, you get **24.1257, 12.4328, 1.3302**, and if you desaturate by 10%, it is **24.5912, 13.0823, 2.3528**.

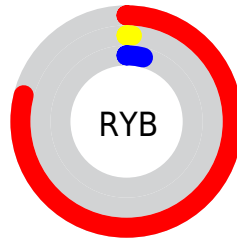
Distribution



Red (79%)

Green (1%)

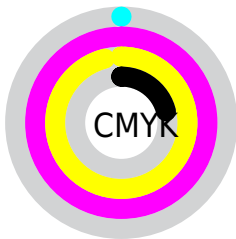
Blue (4%)



Red (79%)

Yellow (1%)

Blue (4%)

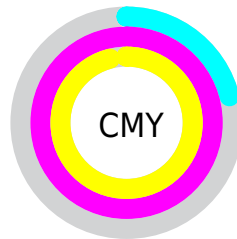


Cyan (0%)

Magenta (99%)

Yellow (96%)

Black (21%)



Cyan (21%)


Magenta (99%)


Yellow (96%)


Brightness & Saturation Gradients

These gradients show how the XYZ color 24.1584, 12.4806, 1.3942 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 24.1584, 12.4806, 1.3942 by changing the saturation by 10% instead.


 24.1584, 12.4806,
1.3942


 24.1584, 12.4806,
1.3942


 266.0460,
207.5615, 112.1194


 15.5765, 7.0719,
0.1372


 49.7414, 30.3674,
7.3064


 9.3139, 3.5071,
0.0000


 67.4732, 43.6144,
13.0126

 5.0053, 1.4019,
0.0000

 88.9857, 60.2428,
21.1103

 2.2851, 0.2181,
0.0000

 114.6442, 80.6371,
32.0179

 0.7870, 0.0000,
0.0000


 144.8141,
105.1818, 46.1541


 0.0000, 0.0000,
0.0000


 179.8609,


134.2611, 63.9374


 220.1497,
168.2596, 85.7863


 24.1584, 12.4806,
1.3942


 24.1584, 12.4806,
1.3942


 24.1257, 12.4328,
1.3302

 24.5912, 13.0823,
2.3528

 25.4530, 14.3021,
4.1933

 26.8472, 16.3072,
7.0730

 28.8412, 19.1998,
11.1147

 31.4924, 23.0667,
16.4240

■ 34.8515, 27.9843,
23.0946

■ 38.9642, 34.0214,
31.2115

■ 43.8724, 41.2412,
40.8525

■ 49.6148, 49.7018,
52.0902

Harmonies

Analogous

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



28.4195, 12.4806, 9.0674



24.1584, 12.4806, 1.3942



16.9050, 12.4806, 0.0000

Triad

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



24.1584, 12.4806, 1.3942



3.7627, 12.4806, 4.3998



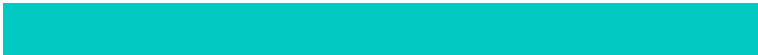
13.7506, 12.4806, 85.3727

Complementary

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



24.1584, 12.4806, 1.3942



30.6537, 45.6828, 58.2622

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.



7.9379, 12.4806, 78.5991



24.1584, 12.4806, 1.3942



3.4403, 12.4806, 19.4090

Square

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



24.1584, 12.4806, 1.3942



5.7879, 12.4806, 0.3852



4.6613, 12.4806, 48.8486



21.1583, 12.4806, 63.1633

Rectangle

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



24.1584, 12.4806, 1.3942



12.1858, 12.4806, 0.0000



4.6613, 12.4806, 48.8486



11.5448, 12.4806, 86.6376

Sweetspot

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



24.1587, 12.4814, 1.3944



65.6188, 56.6436, 51.2864



32.0634, 15.3443, 56.5297



13.3836, 11.1527, 9.6728



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.



24.1587, 12.4814, 1.3944



41.2889, 21.2796, 2.1875



27.8885, 20.0021, 2.4495



10.6487, 10.6428, 11.1331



15.1765, 7.8202, 0.8736



0.7240, 0.3724, 0.0696

Inverse Universe

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



24.1587, 12.4814, 1.3944



41.2889, 21.2796, 2.1875



16.3036, 15.7013, 57.4293



10.6487, 10.6428, 11.1331



15.1765, 7.8202, 0.8736



0.7240, 0.3724, 0.0696

Previews

White Background



This preview shows how the XYZ color 24.1584, 12.4806, 1.3942 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 24.1584, 12.4806, 1.3942

Background



This preview shows how black text looks on a background with the XYZ color 24.1584, 12.4806, 1.3942.



This preview shows how white text looks on a background with the XYZ color 24.1584, 12.4806,

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

24.1584, 12.4806, 1.3942

Protanopia

11.9004, 13.1640, 3.0123

Deuteranopia

13.0850, 12.9549, 1.8109



Tritanopia

23.7861, 12.6079, 1.1799

Trichromacy



Original Color

24.1584, 12.4806, 1.3942

Protanomaly

13.9376, 10.0616, 1.9169

Deuteranomaly

15.2566, 10.4204, 1.2934

Tritanomaly

23.9798, 12.5738, 1.2493

Monochromacy



Original Color

24.1584, 12.4806, 1.3942

Achromatopsia

4.5787, 4.8172, 5.2459

Achromatomaly

8.0049, 5.2027, 2.8678

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.1584, 12.4806, 1.3942 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(201, 2, 9)` looks like.

```
.text, #text, p{  
    color:rgb(201, 2, 9)  
}
```

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(201, 2, 9) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(201, 2, 9) }
```

Border

The CSS property to change the border of an element to XYZ 24.1584, 12.4806, 1.3942 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(201, 2, 9) }
```


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

```
.border{ border-color:rgb(201, 2, 9) }
```

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

Here you see how a box with a 4 pixel `rgb(201, 2, 9)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(201, 2, 9); -webkit-box-shadow:4px  
4px 4px 4px rgb(201, 2, 9); box-shadow:4px  
4px 4px 4px rgb(201, 2, 9) }
```

Background

The CSS property to change the background color of an element to XYZ 24.1584, 12.4806, 1.3942 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(201, 2, 9) }
```

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

```
.background{ background-color: rgb(201, 2,  
9) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor