

Converting Colors

XYZ(24.9605, 12.9308, 4.5863)

Have a look what the booklet for
XYZ(24.9605, 12.9308, 4.5863)
contains.

XYZ(24.8277, 12.8699, 4.5437)	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(24.8277, 12.8699,
4.5437)**

Conversions

Conversions Part 1

Format	Color
Hex	C90935
RGB	201, 9, 53
RGB Percent	79%, 4%, 21%
CMY	0.2118, 0.9646, 0.7922
CMYK	0.00, 0.96, 0.74, 0.21
HSL	346°, 91%, 41%
HSV	346°, 96%, 79%
XYZ	24.8277, 12.8699, 4.5437
YIQ	71.4240, 100.3080, 54.3880

Conversions

Conversions Part 2

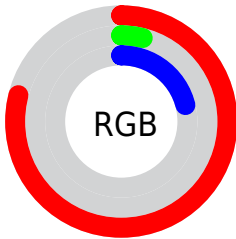
Format	Color
R_{YB}	201, 9, 53
Decimal	13175093
CIE Lab	42.57, 67.18, 31.61
CIE LCh	43, 74.243, 25.195
Yxy	12.8699, 0.5878, 0.3047
Android (android.graphics.Color)	4291365173 (0xFFC90935)
YUV	71.4240, -9.0830, 113.6382
Hunter-Lab	35.8746, 60.7536, 17.6029

Details

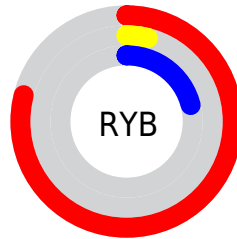
The XYZ color **24.8277, 12.8699, 4.5437** is a dark color, and the websafe version is hex **CC0033**. The color can be described as dark washed red. A complement of this color would be **27.0888, 44.2670, 39.0323**, and the grayscale version is **6.0677, 6.3837, 6.9518**.

A 20% lighter version of the original color is **46.9819, 29.1403, 14.9528**, and **10.5416, 5.4274, 0.8086** is the 20% darker color. If you saturate the color by 10%, you get **24.5810, 12.6149, 3.7273**, and if you desaturate by 10%, it is **25.5887, 13.7265, 6.8495**.

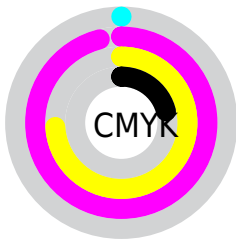
Distribution



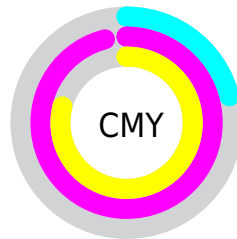
- Red (79%)
- Green (4%)
- Blue (21%)



- Red (79%)
- Yellow (4%)
- Blue (21%)



- Cyan (0%)
- Magenta (96%)
- Yellow (74%)
- Black (21%)





- Cyan (21%)
- Magenta (96%)
- Yellow (79%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.8277, 12.8699, 4.5437 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 24.8277, 12.8699, 4.5437 by changing the saturation by 10% instead.

 24.8277, 12.8699,
4.5437


 24.8277, 12.8699,
4.5437


269.3423,
210.0822, 154.0894


 16.0768, 7.3390,
1.9281


 50.8225, 31.0699,
15.2455


 9.6697, 3.6750,
0.5105


 68.7970, 44.5077,
24.1687

 5.2411, 1.4935,
0.0000

 90.5769, 61.3500,
36.0316

 2.4256, 0.2841,
0.0000

 116.5273, 81.9812,
51.2526

 0.8579, 0.0000,
0.0000

 147.0137,
106.7856, 70.2504

 0.0000, 0.0000,
0.0000

 182.4014,

136.1476, 93.4434

223.0558,
170.4517, 121.2503

■ 24.8277, 12.8699,
4.5437

■ 24.8277, 12.8699,
4.5437

■ 24.5810, 12.6149,
3.7273

■ 25.5887, 13.7265,
6.8495

■ 26.7956, 15.2741,
9.9221

■ 28.5120, 17.6258,
13.8271

■ 30.7901, 20.8730,
18.6220

■ 33.6754, 25.0948,
24.3588

■ 37.2088, 30.3615,
31.0857

■ 41.4273, 36.7370,
38.8472

■ 46.3651, 44.2798,
47.6850

■ 52.0543, 53.0446,
57.6388

Harmonies

Analogous

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



26.4469, 12.8699, 16.7648



24.8277, 12.8699, 4.5437



19.4846, 12.8699, 0.8690

Triad

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



24.8277, 12.8699, 4.5437



5.3383, 12.8699, 2.7389



11.3506, 12.8699, 72.8915

Complementary

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



24.8277, 12.8699, 4.5437



27.0888, 44.2670, 39.0323

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.



7.0485, 12.8699, 57.7982



24.8277, 12.8699, 4.5437



4.3217, 12.8699, 11.5803

Square

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



24.8277, 12.8699, 4.5437



8.1892, 12.8699, 0.4342



4.8349, 12.8699, 31.7196



17.4262, 12.8699, 64.7157

Rectangle

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



24.8277, 12.8699, 4.5437



15.2027, 12.8699, 0.1127



4.8349, 12.8699, 31.7196



9.6767, 12.8699, 70.1716

Sweetspot

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



24.8280, 12.8707, 4.5439



67.9654, 58.4046, 61.1082



24.3914, 11.5020, 56.1926



13.8907, 11.5099, 11.8674



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.



24.8280, 12.8707, 4.5439



42.0139, 21.5696, 6.0052



25.7647, 15.6930, 1.9307



10.7317, 10.6761, 11.5705



15.4851, 7.9436, 2.4984



0.7619, 0.3876, 0.2694

Inverse Universe

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



24.8280, 12.8707, 4.5439



42.0139, 21.5696, 6.0052



21.5318, 26.0275, 59.1470



10.7317, 10.6761, 11.5705



15.4851, 7.9436, 2.4984



0.7619, 0.3876, 0.2694

Previews

White Background



This preview shows how the XYZ color 24.8277, 12.8699, 4.5437 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



This preview shows how the XYZ color 24.8277, 12.8699, 4.5437 looks on a 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 24.8277, 12.8699, 4.5437

Background



This preview shows how black text looks on a background with the XYZ color 24.8277, 12.8699, 4.5437.



This preview shows how white text looks on a background with the XYZ color 24.8277, 12.8699,

4.5437.

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

24.8277, 12.8699, 4.5437

Protanopia

12.4693, 13.3185, 9.3107

Deuteranopia

13.4450, 13.2286, 4.0352



Tritanopia

24.2270, 12.9326, 1.7497

Trichromacy



Original Color

24.8277, 12.8699, 4.5437

Protanomaly

14.3279, 10.3272, 7.0325

Deuteranomaly

15.7099, 10.8479, 3.8506

Tritanomaly

24.2701, 12.8057, 2.4209

Monochromacy



Original Color

24.8277, 12.8699, 4.5437

Achromatopsia

5.9891, 6.3010, 6.8618

Achromatomaly

9.4536, 6.3356, 5.5751

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.8277, 12.8699, 4.5437 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, 9, 53)` looks like.

```
.text, #text, p{  
    color:rgb(201, 9, 53)  
}
```

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, 9, 53) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(201, 9, 53) }
```

Border

The CSS property to change the border of an element to XYZ 24.8277, 12.8699, 4.5437 is called "border". The border property can be set on classes, ids or directly on the HTML element.

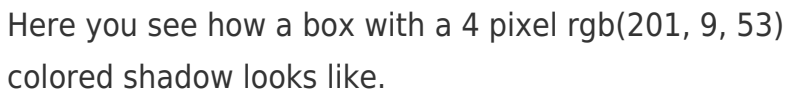
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(201, 9, 53) }
```


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

```
.border{ border-color:rgb(201, 9, 53) }
```

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



Here you see how a box with a 4 pixel `rgb(201, 9, 53)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(201, 9, 53); -webkit-box-  
shadow:4px 4px 4px 4px rgb(201, 9, 53);  
box-shadow:4px 4px 4px 4px rgb(201, 9, 53)  
}
```

Background

The CSS property to change the background color of an element to XYZ 24.8277, 12.8699, 4.5437 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(201, 9, 53) }
```

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

```
.background{ background-color: rgb(201, 9,  
53) }
```

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