

Converting Colors

XYZ(22.8237, 8.7999, 3.9500)

Have a look what the booklet for
XYZ(22.8237, 8.7999, 3.9500)
contains.

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Color

**XYZ(24.7532, 12.6838,
4.6336)**

Conversions

Conversions Part 1

Format	Color
Hex	C90036
RGB	201, 0, 54
RGB Percent	79%, 0%, 21%
CMY	0.2118, 0.9998, 0.7882
CMYK	0.00, 1.00, 0.73, 0.21
HSL	344°, 100%, 39%
HSV	344°, 100%, 79%
XYZ	24.7532, 12.6838, 4.6336
YIQ	66.2550, 102.4620, 59.4060

Conversions

Conversions Part 2

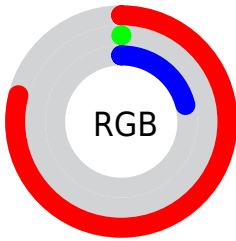
Format	Color
R_{YB}	201, 0, 54
Decimal	13172790
CIE Lab	42.28, 68.08, 30.66
CIE LCh	42, 74.668, 24.245
Yxy	12.6838, 0.5884, 0.3015
Android (android.graphics.Color)	4291362870 (0xFFC90036)
YUV	66.2550, -6.0417, 118.1714
Hunter-Lab	35.6143, 61.7387, 17.2161

Details

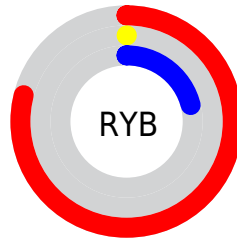
The XYZ color **24.7532, 12.6838, 4.6336** is a dark color, and the websafe version is hex **CC0033**. The color can be described as dark washed red. A complement of this color would be **26.1564, 43.8810, 34.7108**, and the grayscale version is **5.2193, 5.4911, 5.9798**.

A 20% lighter version of the original color is **46.8375, 28.6966, 15.3823**, and **10.5476, 5.4298, 0.8400** is the 20% darker color. If you saturate the color by 10%, you get **24.7524, 12.6835, 4.6301**, and if you desaturate by 10%, it is **25.4048, 13.3486, 6.8196**.

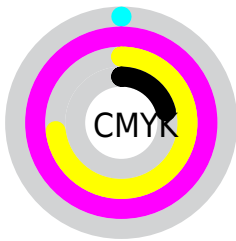
Distribution



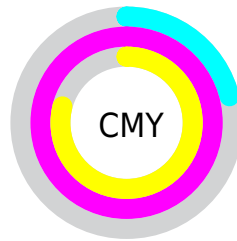
- Red (79%)
- Green (0%)
- Blue (21%)



- Red (79%)
- Yellow (0%)
- Blue (21%)



- Cyan (0%)
- Magenta (100%)
- Yellow (73%)
- Black (21%)





- Cyan (21%)
- Magenta (100%)
- Yellow (79%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 24.7532, 12.6838, 4.6336 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 24.7532, 12.6838, 4.6336 by changing the saturation by 10% instead.

 24.7532, 12.6838,
4.6336


 24.7532, 12.6838,
4.6336


268.9770,
208.8811, 155.0271

 16.0210, 7.2112,
1.9790


 50.7023, 30.7345,
15.4465


 9.6300, 3.5945,
0.5423


 68.6500, 44.0814,
24.4419


 5.2147, 1.4494,
0.0000

 90.4002, 60.8219,
36.3879

 2.4098, 0.2527,
0.0000

 116.3184, 81.3403,
51.7032

 0.8500, 0.0000,
0.0000

 146.7697,
106.0210, 70.8062

 0.0000, 0.0000,
0.0000

 182.1197,

135.2484, 94.1155

222.7337,
169.4070, 122.0496

■ 24.7532, 12.6838,
4.6336

■ 24.7532, 12.6838,
4.6336

■ 24.7524, 12.6835,
4.6301

■ 25.4048, 13.3486,
6.8196

■ 26.4311, 14.5820,
9.6875

■ 27.9306, 16.5687,
13.3081

■ 29.9581, 19.4072,
17.7342

■ 32.5606, 23.1812,
23.0131

■ 35.7795, 27.9640,
29.1885

■ 39.6525, 33.8218,
36.3007

■ 44.2141, 40.8149,
44.3876

■ 49.4961, 48.9992,
53.4849

Harmonies

Analogous

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



26.2256, 12.6838, 17.1332



24.7532, 12.6838, 4.6336



19.4908, 12.6838, 0.8604

Triad

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



24.7532, 12.6838, 4.6336



5.2670, 12.6838, 2.5017



11.0095, 12.6838, 72.6678

Complementary

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



24.7532, 12.6838, 4.6336



26.1564, 43.8810, 34.7108

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.



6.8021, 12.6838, 56.8876



24.7532, 12.6838, 4.6336



4.2113, 12.6838, 10.9478

Square

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



24.7532, 12.6838, 4.6336



8.1582, 12.6838, 0.3369



4.6704, 12.6838, 30.7024



17.0305, 12.6838, 65.1944

Rectangle

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



24.7532, 12.6838, 4.6336



15.2162, 12.6838, 0.0726



4.6704, 12.6838, 30.7024



9.3660, 12.6838, 69.6803

Sweetspot

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



24.7535, 12.6846, 4.6338



67.5737, 57.4256, 61.5808



22.0551, 10.1526, 56.0551



13.8313, 11.3318, 12.0303



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.



24.7535, 12.6846, 4.6338



42.2978, 21.6831, 7.5005



24.9726, 14.1878, 1.4234



10.7489, 10.6829, 11.6609



15.5965, 7.9882, 3.0852



0.7696, 0.3907, 0.3101

Inverse Universe

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



24.7535, 12.6846, 4.6338



42.2978, 21.6831, 7.5005



22.6776, 28.4865, 59.5611



10.7489, 10.6829, 11.6609



15.5965, 7.9882, 3.0852



0.7696, 0.3907, 0.3101

Previews

White Background



This preview shows how the XYZ color 24.7532, 12.6838, 4.6336 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 24.7532, 12.6838, 4.6336

Background



This preview shows how black text looks on a background with the XYZ color 24.7532, 12.6838, 4.6336.



This preview shows how white text looks on a background with the XYZ color 24.7532, 12.6838,

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

24.7532, 12.6838, 4.6336

Protanopia

12.5432, 13.3480, 9.6999

Deuteranopia

13.4631, 13.2358, 4.1307



Tritanopia

24.1999, 12.8906, 1.7029

Trichromacy



Original Color

24.7532, 12.6838, 4.6336

Protanomaly

14.1830, 9.9863, 7.1413

Deuteranomaly

15.5621, 10.5205, 3.8998

Tritanomaly

24.2108, 12.6872, 2.4011

Monochromacy



Original Color

24.7532, 12.6838, 4.6336

Achromatopsia

5.1784, 5.4480, 5.9329

Achromatomaly

8.7677, 5.6486, 5.1856

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.7532, 12.6838, 4.6336 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, 0, 54)` looks like.

```
.text, #text, p{  
    color:rgb(201, 0, 54)  
}
```

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, 0, 54) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(201, 0, 54) }
```

Border

The CSS property to change the border of an element to XYZ 24.7532, 12.6838, 4.6336 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, 0, 54) }
```


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

```
.border{ border-color:rgb(201, 0, 54) }
```

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

Here you see how a box with a 4 pixel `rgb(201, 0, 54)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(201, 0, 54); -webkit-box-  
shadow:4px 4px 4px 4px rgb(201, 0, 54);  
box-shadow:4px 4px 4px 4px rgb(201, 0, 54)  
}
```

Background

The CSS property to change the background color of an element to XYZ 24.7532, 12.6838, 4.6336 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(201, 0, 54) }
```

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

```
.background{ background-color: rgb(201, 0,  
54) }
```

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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