

Converting Colors

XYZ(24.4807, 12.5888, 2.5658)

Have a look what the booklet for
XYZ(24.4807, 12.5888, 2.5658)
contains.

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Color

**XYZ(24.3619, 12.5273,
2.5728)**

Conversions

Conversions Part 1

Format	Color
Hex	C90021
RGB	201, 0, 33
RGB Percent	79%, 0%, 13%
CMY	0.2118, 0.9998, 0.8706
CMYK	0.00, 1.00, 0.84, 0.21
HSL	350°, 100%, 39%
HSV	350°, 100%, 79%
XYZ	24.3619, 12.5273, 2.5728
YIQ	63.8610, 109.2030, 52.8750

Conversions

Conversions Part 2

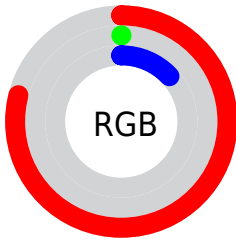
Format	Color
R_{YB}	201, 0, 33
Decimal	13172769
CIE Lab	42.04, 67.43, 42.68
CIE LCh	42, 79.801, 32.334
Yxy	12.5273, 0.6174, 0.3175
Android (android.graphics.Color)	4291362849 (0xFFC90021)
YUV	63.8610, -15.2145, 120.2709
Hunter-Lab	35.3939, 60.9235, 20.4659

Details

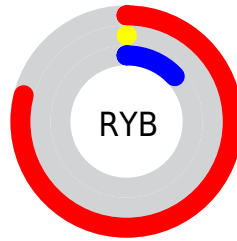
The XYZ color **24.3619, 12.5273, 2.5728** is a dark color, and the websafe version is hex **CC0033**. The color can be described as dark washed red. A complement of this color would be **27.9586, 44.6019, 44.2009**, and the grayscale version is **4.8662, 5.1197, 5.5753**.

A 20% lighter version of the original color is **45.8998, 28.3215, 10.4445**, and **10.3165, 5.3184, 0.4828** is the 20% darker color. If you saturate the color by 10%, you get **24.3613, 12.5270, 2.5703**, and if you desaturate by 10%, it is **24.9113, 13.1513, 4.2209**.

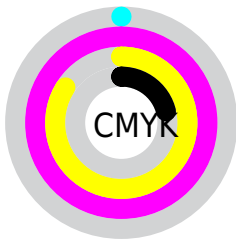
Distribution



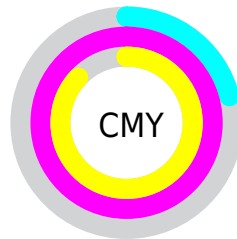
- Red (79%)
- Green (0%)
- Blue (13%)



- Red (79%)
- Yellow (0%)
- Blue (13%)



- Cyan (0%)
- Magenta (100%)
- Yellow (84%)
- Black (21%)





- Cyan (21%)
- Magenta (100%)
- Yellow (87%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.3619, 12.5273, 2.5728 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 24.3619, 12.5273, 2.5728 by changing the saturation by 10% instead.


 24.3619, 12.5273,
2.5728


 24.3619, 12.5273,
2.5728


267.0517,
207.8656, 130.7184


 15.7285, 7.1039,
0.8784


 50.0705, 30.4519,
10.5547


 9.4219, 3.5271,
0.0000


 67.8764, 43.7219,
17.6818

 5.0767, 1.4127,
0.0000

 89.4705, 60.3761,
27.4578

 2.3275, 0.2261,
0.0000

 115.2182, 80.7990,
40.3010

 0.8087, 0.0000,
0.0000

 145.4848,
105.3751, 56.6302

 0.0000, 0.0000,
0.0000

 180.6357,

134.4886, 76.8638

221.0362,
168.5239, 101.4204

24.3619, 12.5273,
2.5728

24.3619, 12.5273,
2.5728

24.3613, 12.5270,
2.5703

24.9113, 13.1513,
4.2209

25.8555, 14.3518,
6.6560

27.2982, 16.3158,
9.9773

29.2988, 19.1437,
14.2617

31.9083, 22.9205,
19.5771

■ 35.1715, 27.7211,
25.9854

■ 39.1292, 33.6128,
33.5436

■ 43.8187, 40.6572,
42.3045

■ 49.2748, 48.9112,
52.3177

Harmonies

Analogous

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



27.3051, 12.5273, 12.3542



24.3619, 12.5273, 2.5728



18.0195, 12.5273, 0.1265

Triad

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



24.3619, 12.5273, 2.5728



4.3980, 12.5273, 3.4063



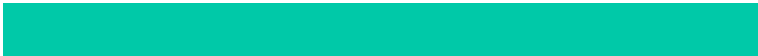
12.3768, 12.5273, 79.1220

Complementary

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



24.3619, 12.5273, 2.5728



27.9586, 44.6019, 44.2009

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.



7.3612, 12.5273, 67.7569



24.3619, 12.5273, 2.5728



3.7652, 12.5273, 15.0123

Square

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



24.3619, 12.5273, 2.5728



6.7934, 12.5273, 0.3536



4.6412, 12.5273, 39.5948



19.0996, 12.5273, 63.9620

Rectangle

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



24.3619, 12.5273, 2.5728



13.4924, 12.5273, 0.0000



4.6412, 12.5273, 39.5948



10.4506, 12.5273, 78.2708

Sweetspot

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



24.3622, 12.5281, 2.5730



66.6692, 57.0638, 56.8177



26.5865, 12.4886, 56.2672



13.6228, 11.2484, 10.9326



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.



24.3622, 12.5281, 2.5730



41.6547, 21.4259, 4.1140



26.0962, 16.4350, 1.7980



10.7036, 10.6648, 11.4227



15.3404, 7.8857, 1.7364



0.7492, 0.3825, 0.2025

Inverse Universe

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



24.3622, 12.5281, 2.5730



41.6547, 21.4259, 4.1140



19.0700, 21.2711, 58.3586



10.7036, 10.6648, 11.4227



15.3404, 7.8857, 1.7364



0.7492, 0.3825, 0.2025

Previews

White Background



This preview shows how the XYZ color 24.3619, 12.5273, 2.5728 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 24.3619, 12.5273, 2.5728 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 24.3619, 12.5273, 2.5728

Background



This preview shows how black text looks on a background with the XYZ color 24.3619, 12.5273, 2.5728.



This preview shows how white text looks on a background with the XYZ color 24.3619, 12.5273,

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

24.3619, 12.5273, 2.5728

Protanopia

12.0761, 13.2045, 5.2804

Deuteranopia

13.2854, 13.0526, 2.0776



Tritanopia

24.0357, 12.7120, 1.1868

Trichromacy



Original Color

24.3619, 12.5273, 2.5728

Protanomaly

13.8850, 9.9071, 3.7652

Deuteranomaly

15.2955, 10.3497, 1.7638

Tritanomaly

24.0055, 12.5452, 1.5041

Monochromacy



Original Color

24.3619, 12.5273, 2.5728

Achromatopsia

4.8732, 5.1269, 5.5832

Achromatomaly

8.3750, 5.4203, 3.9730

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.3619, 12.5273, 2.5728 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, 33)` looks like.

```
.text, #text, p{  
    color:rgb(201, 0, 33)  
}
```

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, 33) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(201, 0, 33) }
```

Border

The CSS property to change the border of an element to XYZ 24.3619, 12.5273, 2.5728 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, 33) }
```


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

```
.border{ border-color:rgb(201, 0, 33) }
```

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, 33)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(201, 0, 33); -webkit-box-  
shadow:4px 4px 4px 4px rgb(201, 0, 33);  
box-shadow:4px 4px 4px 4px rgb(201, 0, 33)  
}
```

Background

The CSS property to change the background color of an element to XYZ 24.3619, 12.5273, 2.5728 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, 33) }
```

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

```
.background{ background-color: rgb(201, 0,  
33) }
```

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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