

Converting Colors

XYZ(24.7849, 12.7105, 4.1682)

Have a look what the booklet for
XYZ(24.7849, 12.7105, 4.1682)
contains.

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Color

**XYZ(24.6631, 12.6478,
4.1590)**

Conversions

Conversions Part 1

Format	Color
Hex	C90032
RGB	201, 0, 50
RGB Percent	79%, 0%, 20%
CMY	0.2118, 0.9998, 0.8039
CMYK	0.00, 1.00, 0.75, 0.21
HSL	345°, 100%, 39%
HSV	345°, 100%, 79%
XYZ	24.6631, 12.6478, 4.1590
YIQ	65.7990, 103.7460, 58.1620

Conversions

Conversions Part 2

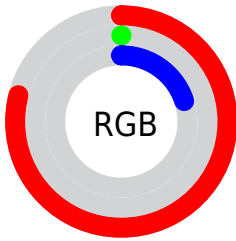
Format	Color
R_{YB}	201, 0, 50
Decimal	13172786
CIE _{Lab}	42.23, 67.93, 33.04
CIE _{LCh}	42, 75.540, 25.935
Yxy	12.6478, 0.5947, 0.3050
Android (android.graphics.Color)	4291362866 (0xFFC90032)
YUV	65.7990, -7.7889, 118.5713
Hunter-Lab	35.5637, 61.5514, 17.9610

Details

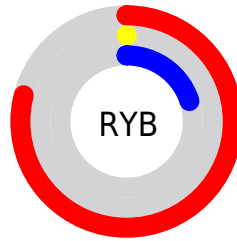
The XYZ color **24.6631, 12.6478, 4.1590** is a dark color, and the websafe version is hex **CC0033**. The color can be described as dark washed red. A complement of this color would be **26.4762, 44.0089, 36.3946**, and the grayscale version is **5.1511, 5.4194, 5.9017**.

A 20% lighter version of the original color is **46.5998, 28.6015, 14.1309**, and **10.5141, 5.4164, 0.6636** is the 20% darker color. If you saturate the color by 10%, you get **24.6623, 12.6474, 4.1555**, and if you desaturate by 10%, it is **25.2970, 13.3056, 6.2517**.

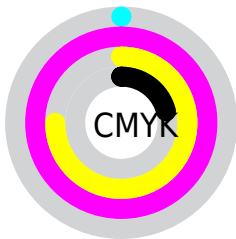
Distribution



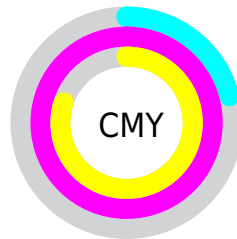
- Red (79%)
- Green (0%)
- Blue (20%)



- Red (79%)
- Yellow (0%)
- Blue (20%)



- Cyan (0%)
- Magenta (100%)
- Yellow (75%)
- Black (21%)





- Cyan (21%)
- Magenta (100%)
- Yellow (80%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.6631, 12.6478, 4.1590 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 24.6631, 12.6478, 4.1590 by changing the saturation by 10% instead.


 24.6631, 12.6478,
4.1590


 24.6631, 12.6478,
4.1590


268.5347,
208.6480, 149.9766


 15.9536, 7.1865,
1.7130


 50.5570, 30.6696,
14.3748


 9.5820, 3.5790,
0.3696


 68.4721, 43.9988,
22.9817

 5.1828, 1.4410,
0.0000

 90.1865, 60.7195,
34.4793

 2.3908, 0.2466,
0.0000

 116.0655, 81.2160,
49.2861

 0.8405, 0.0000,
0.0000

 146.4744,
105.8726, 67.8207

 0.0000, 0.0000,
0.0000

 181.7787,

135.0740, 90.5016

222.3437,
169.2043, 117.7474

■ 24.6631, 12.6478,
4.1590

■ 24.6631, 12.6478,
4.1590

■ 24.6623, 12.6474,
4.1555

■ 25.2970, 13.3056,
6.2517

■ 26.3098, 14.5336,
9.0480

■ 27.8007, 16.5169,
12.6232

■ 29.8253, 19.3544,
17.0337

■ 32.4312, 23.1298,
22.3303

■ 35.6604, 27.9169,
28.5597

■ 39.5511, 33.7818,
35.7650

■ 44.1383, 40.7852,
43.9864

■ 49.4543, 48.9832,
53.2622

Harmonies

Analogous

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



26.4243, 12.6478, 16.0947



24.6631, 12.6478, 4.1590



19.1839, 12.6478, 0.7152

Triad

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



24.6631, 12.6478, 4.1590



5.0851, 12.6478, 2.6666



11.2682, 12.6478, 73.8750

Complementary

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



24.6631, 12.6478, 4.1590



26.4762, 44.0089, 36.3946

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.



6.9088, 12.6478, 58.9102



24.6631, 12.6478, 4.1590



4.1194, 12.6478, 11.6830

Square

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



24.6631, 12.6478, 4.1590



7.8716, 12.6478, 0.3408



4.6637, 12.6478, 32.3316



17.4208, 12.6478, 64.9104

Rectangle

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



24.6631, 12.6478, 4.1590



14.8569, 12.6478, 0.0000



4.6637, 12.6478, 32.3316



9.5717, 12.6478, 71.2895

Sweetspot

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



24.6634, 12.6486, 4.1592



67.3976, 57.3551, 60.6536



23.2610, 10.7743, 56.1115



13.7905, 11.3155, 11.8157



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.



24.6634, 12.6486, 4.1592



42.1483, 21.6233, 6.7128



25.2401, 14.7228, 1.5127



10.7402, 10.6795, 11.6153



15.5381, 7.9648, 2.7773



0.7658, 0.3891, 0.2896

Inverse Universe

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



24.6634, 12.6486, 4.1592



42.1483, 21.6233, 6.7128



21.5711, 26.2733, 59.1922



10.7402, 10.6795, 11.6153



15.5381, 7.9648, 2.7773



0.7658, 0.3891, 0.2896

Previews

White Background



This preview shows how the XYZ color 24.6631, 12.6478, 4.1590 looks on a white background.

Color Contrast Check

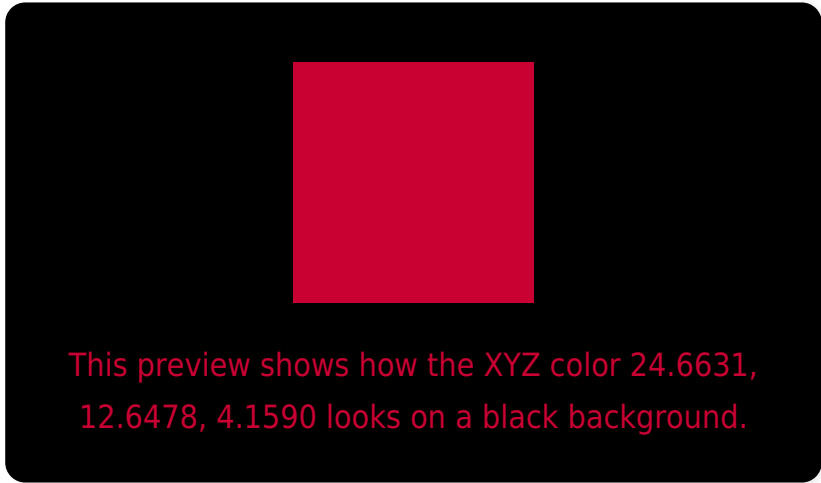
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.6631, 12.6478, 4.1590

Background



This preview shows how black text looks on a background with the XYZ color 24.6631, 12.6478, 4.1590.



This preview shows how white text looks on a background with the XYZ color 24.6631, 12.6478,

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

24.6631, 12.6478, 4.1590

Protanopia

12.4518, 13.3257, 8.5725

Deuteranopia

13.3933, 13.2079, 3.7629



Tritanopia

24.1602, 12.8447, 1.5867

Trichromacy



Original Color

24.6631, 12.6478, 4.1590

Protanomaly

14.2014, 10.0136, 6.3386

Deuteranomaly

15.4851, 10.4897, 3.4941

Tritanomaly

24.1498, 12.6418, 2.1446

Monochromacy



Original Color

24.6631, 12.6478, 4.1590

Achromatopsia

5.1784, 5.4480, 5.9329

Achromatomaly

8.7138, 5.6270, 4.9018

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.6631, 12.6478, 4.1590 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, 50)` looks like.

```
.text, #text, p{  
    color:rgb(201, 0, 50)  
}
```

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, 50) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(201, 0, 50) }
```

Border

The CSS property to change the border of an element to XYZ 24.6631, 12.6478, 4.1590 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, 50) }
```


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

```
.border{ border-color:rgb(201, 0, 50) }
```

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, 50)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(201, 0, 50); -webkit-box-  
shadow:4px 4px 4px 4px rgb(201, 0, 50);  
box-shadow:4px 4px 4px 4px rgb(201, 0, 50)  
}
```

Background

The CSS property to change the background color of an element to XYZ 24.6631, 12.6478, 4.1590 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, 50) }
```

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

```
.background{ background-color: rgb(201, 0,  
50) }
```

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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