

Converting Colors

XYZ(23.6627, 12.2370, 2.8613)

Have a look what the booklet for
XYZ(23.6627, 12.2370, 2.8613)
contains.

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Color

**XYZ(23.6769, 12.2479,
2.8664)**

Conversions

Conversions Part 1

Format	Color
Hex	C60525
RGB	198, 5, 37
RGB Percent	78%, 2%, 15%
CMY	0.2235, 0.9802, 0.8549
CMYK	0.00, 0.97, 0.81, 0.22
HSL	350°, 95%, 40%
HSV	350°, 97%, 78%
XYZ	23.6769, 12.2479, 2.8664
YIQ	66.3550, 104.7560, 50.8680

Conversions

Conversions Part 2

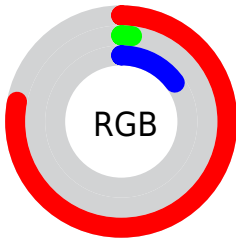
Format	Color
R_{YB}	198, 5, 37
Decimal	12977445
CIE Lab	41.61, 66.30, 39.83
CIE LCh	42, 77.340, 30.995
Yxy	12.2479, 0.6104, 0.3157
Android (android.graphics.Color)	4291167525 (0xFFC60525)
YUV	66.3550, -14.4720, 115.4527
Hunter-Lab	34.9970, 59.5178, 19.6418

Details

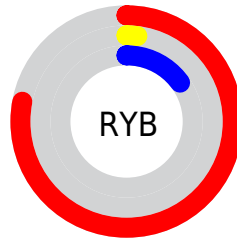
The XYZ color **23.6769, 12.2479, 2.8664** is a dark color, and the websafe version is hex **CC0033**. The color can be described as dark washed red. A complement of this color would be **27.1437, 43.1750, 42.9990**, and the grayscale version is **5.2476, 5.5209, 6.0122**.

A 20% lighter version of the original color is **46.1291, 28.5401, 11.2611**, and **9.9917, 5.1509, 0.4676** is the 20% darker color. If you saturate the color by 10%, you get **23.5601, 12.1143, 2.5203**, and if you desaturate by 10%, it is **24.2874, 12.9560, 4.6520**.

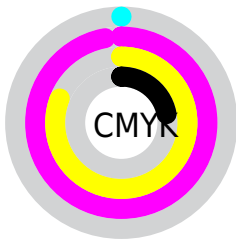
Distribution



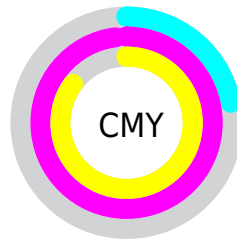
- Red (78%)
- Green (2%)
- Blue (15%)



- Red (78%)
- Yellow (2%)
- Blue (15%)



- Cyan (0%)
- Magenta (97%)
- Yellow (81%)
- Black (22%)





- Cyan (22%)
- Magenta (98%)
- Yellow (85%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 23.6769, 12.2479, 2.8664 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 23.6769, 12.2479, 2.8664 by changing the saturation by 10% instead.


 23.6769, 12.2479,
2.8664

 23.6769, 12.2479,
2.8664

263.6538,
206.0396, 134.6404


 15.2176, 6.9127,
1.0268


 48.9610, 29.9458,
11.2970


 9.0595, 3.4076,
0.0000


 66.5164, 43.0773,
18.7250


 4.8374, 1.3480,
0.0000

 87.8345, 59.5765,
28.8530

 2.1860, 0.1780,
0.0000

 113.2808, 79.8276,
42.0994


 0.7353, 0.0000,
0.0000


 143.2205,
104.2150, 58.8828


 0.0000, 0.0000,
0.0000


 178.0190,


133.1233, 79.6218


 218.0416,
166.9367, 104.7348


 23.6769, 12.2479,
2.8664


 23.6769, 12.2479,
2.8664


 23.5601, 12.1143,
2.5203

 24.2874, 12.9560,
4.6520

 25.3201, 14.2979,
7.2264

 26.8493, 16.4034,
10.6743

 28.9299, 19.3647,
15.0666

 31.6091, 23.2610,
20.4670

■ 34.9290, 28.1622,
26.9334

■ 38.9279, 34.1317,
34.5194

■ 43.6410, 41.2276,
43.2747

■ 49.1012, 49.5038,
53.2463

Harmonies

Analogous

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



26.2559, 12.2479, 12.8023



23.6769, 12.2479, 2.8664



17.7524, 12.2479, 0.2865

Triad

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



23.6769, 12.2479, 2.8664



4.4841, 12.2479, 3.2158



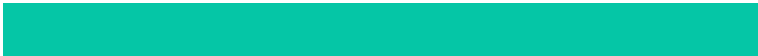
11.8311, 12.2479, 75.0278

Complementary

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



23.6769, 12.2479, 2.8664



27.1437, 43.1750, 42.9990

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.



7.1233, 12.2479, 63.3475



23.6769, 12.2479, 2.8664



3.8007, 12.2479, 13.8841

Square

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



23.6769, 12.2479, 2.8664



6.8901, 12.2479, 0.3803



4.5848, 12.2479, 36.6709



18.1893, 12.2479, 61.8315

Rectangle

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



23.6769, 12.2479, 2.8664



13.4282, 12.2479, 0.0000



4.5848, 12.2479, 36.6709



10.0203, 12.2479, 73.8344

Sweetspot

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



23.6772, 12.2487, 2.8666



67.4330, 58.1917, 58.3045



25.9400, 12.2763, 54.4280



13.7676, 11.4606, 11.2188



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.



23.6772, 12.2487, 2.8666



41.6621, 21.4289, 4.1529



25.4665, 16.3175, 1.9521



10.7043, 10.6651, 11.4264



15.3434, 7.8869, 1.7524



0.7495, 0.3827, 0.2041

Inverse Universe

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



23.6772, 12.2487, 2.8666



41.6621, 21.4289, 4.1529



18.7370, 21.0716, 56.5053



10.7043, 10.6651, 11.4264



15.3434, 7.8869, 1.7524



0.7495, 0.3827, 0.2041

Previews

White Background



This preview shows how the XYZ color 23.6769, 12.2479, 2.8664 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 23.6769, 12.2479, 2.8664

Background



This preview shows how black text looks on a background with the XYZ color 23.6769, 12.2479, 2.8664.



This preview shows how white text looks on a background with the XYZ color 23.6769, 12.2479,

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

23.6769, 12.2479, 2.8664

Protanopia

11.7513, 12.7348, 5.8417

Deuteranopia

12.8227, 12.6705, 2.4317



Tritanopia

23.2264, 12.2712, 1.1444

Trichromacy



Original Color

23.6769, 12.2479, 2.8664

Protanomaly

13.6213, 9.7617, 4.1839

Deuteranomaly

14.8580, 10.1952, 2.1621

Tritanomaly

23.2425, 12.1872, 1.5081

Monochromacy



Original Color

23.6769, 12.2479, 2.8664

Achromatopsia

5.1784, 5.4480, 5.9329

Achromatomaly

8.5297, 5.6546, 4.2563

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.6769, 12.2479, 2.8664 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(198, 5, 37)` looks like.

```
.text, #text, p{  
    color:rgb(198, 5, 37)  
}
```

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(198, 5, 37) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 5, 37) }
```

Border

The CSS property to change the border of an element to XYZ 23.6769, 12.2479, 2.8664 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(198, 5, 37) }
```


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

```
.border{ border-color:rgb(198, 5, 37) }
```

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

Here you see how a box with a 4 pixel `rgb(198, 5, 37)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 5, 37); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 5, 37);  
box-shadow:4px 4px 4px 4px rgb(198, 5, 37)  
}
```

Background

The CSS property to change the background color of an element to XYZ 23.6769, 12.2479, 2.8664 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 5, 37) }
```

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

```
.background{ background-color: rgb(198, 5,  
37) }
```

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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