

Converting Colors

XYZ(24.0103, 12.2444, 7.1474)

Have a look what the booklet for
XYZ(24.0103, 12.2444, 7.1474)
contains.

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Color

**XYZ(23.9346, 12.2036,
7.2249)**

Conversions

Conversions Part 1

Format	Color
Hex	C40048
RGB	196, 0, 72
RGB Percent	77%, 0%, 28%
CMY	0.2314, 0.9999, 0.7176
CMYK	0.00, 1.00, 0.63, 0.23
HSL	338°, 100%, 38%
HSV	338°, 100%, 77%
XYZ	23.9346, 12.2036, 7.2249
YIQ	66.8120, 93.7040, 63.9440

Conversions

Conversions Part 2

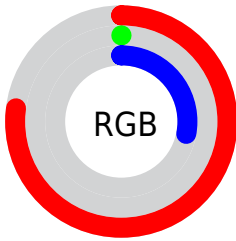
Format	Color
RYB	196, 0, 72
Decimal	12845128
CIELab	41.54, 67.73, 18.23
CIElCh	42, 70.145, 15.067
Yxy	12.2036, 0.5520, 0.2814
Android (android.graphics.Color)	4291035208 (0xFFC40048)
YUV	66.8120, 2.5577, 113.2979
Hunter-Lab	34.9337, 61.1644, 12.1913

Details

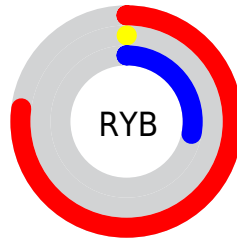
The XYZ color **23.9346, 12.2036, 7.2249** is a dark color, and the websafe version is hex **CC3366**. The color can be described as dark washed red. A complement of this color would be **23.3806, 40.9360, 25.7499**, and the grayscale version is **5.2942, 5.5700, 6.0657**.

A 20% lighter version of the original color is **47.8787, 29.1131, 20.8652**, and **10.0659, 5.1621, 1.6941** is the 20% darker color. If you saturate the color by 10%, you get **23.9337, 12.2033, 7.2210**, and if you desaturate by 10%, it is **24.6246, 12.8697, 9.6566**.

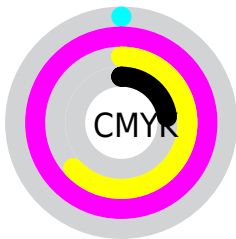
Distribution



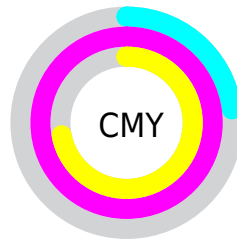
- Red (77%)
- Green (0%)
- Blue (28%)



- Red (77%)
- Yellow (0%)
- Blue (28%)



- Cyan (0%)
- Magenta (100%)
- Yellow (63%)
- Black (23%)





- Cyan (23%)
- Magenta (100%)
- Yellow (72%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 23.9346, 12.2036, 7.2249 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 23.9346, 12.2036, 7.2249 by changing the saturation by 10% instead.


 23.9346, 12.2036,
7.2249


 23.9346, 12.2036,
7.2249


264.9363,
205.7486, 179.2208


 15.4096, 6.8825,
3.5226


 49.3789, 29.8654,
20.9448


 9.1955, 3.3887,
1.3673


 67.0289, 42.9748,
31.7994

 4.9271, 1.3379,
0.1160

 88.4513, 59.4492,
45.8752

 2.2388, 0.1703,
0.0000

 114.0114, 79.6729,
63.5907

 0.7631, 0.0000,
0.0000

 144.0746,
104.0303, 85.3645

 0.0000, 0.0000,
0.0000

 179.0063,

132.9058, 111.6151

219.1717,
166.6837, 142.7610

■ 23.9346, 12.2036,
7.2249

■ 23.9346, 12.2036,
7.2249

■ 23.9337, 12.2033,
7.2210

■ 24.6246, 12.8697,
9.6566

■ 25.6467, 14.0617,
12.6240

■ 27.0918, 15.9554,
16.1782

■ 29.0090, 18.6421,
20.3550

■ 31.4397, 22.1994,
25.1863

■ 34.4210, 26.6953,
30.7016

■ 37.9861, 32.1910,
36.9286

■ 42.1656, 38.7428,
43.8929

■ 46.9877, 46.4024,
51.6191

Harmonies

Analogous

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



23.9442, 12.2036, 21.9550



23.9346, 12.2036, 7.2249



20.0314, 12.2036, 1.6553

Triad

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



23.9346, 12.2036, 7.2249



5.9337, 12.2036, 1.6669



9.2433, 12.2036, 63.3666

Complementary

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



23.9346, 12.2036, 7.2249



23.3806, 40.9360, 25.7499

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.



5.9441, 12.2036, 44.8968



23.9346, 12.2036, 7.2249



4.4517, 12.2036, 7.2673

Square

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



23.9346, 12.2036, 7.2249



9.2243, 12.2036, 0.2715



4.4548, 12.2036, 22.0438



14.3502, 12.2036, 63.3184

Rectangle

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



23.9346, 12.2036, 7.2249



16.2625, 12.2036, 0.5600



4.4548, 12.2036, 22.0438



7.9252, 12.2036, 58.7384

Sweetspot

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



23.9349, 12.2044, 7.2251



68.4729, 57.7852, 66.3158



17.8325, 8.0426, 52.8367



14.0405, 11.4154, 13.1318



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.



23.9349, 12.2044, 7.2251



43.2444, 22.0618, 12.4852



23.0694, 12.3445, 1.1679



10.2227, 10.1377, 11.2632



15.4168, 7.8565, 4.8410



0.6994, 0.3528, 0.3847

Inverse Universe

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



23.9349, 12.2044, 7.2251



43.2444, 22.0618, 12.4852



24.9341, 33.9255, 57.4583



10.2227, 10.1377, 11.2632



15.4168, 7.8565, 4.8410



0.6994, 0.3528, 0.3847

Previews

White Background



This preview shows how the XYZ color 23.9346, 12.2036, 7.2249 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 23.9346, 12.2036, 7.2249 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 23.9346, 12.2036, 7.2249

Background



This preview shows how black text looks on a background with the XYZ color 23.9346, 12.2036, 7.2249.



This preview shows how white text looks on a background with the XYZ color 23.9346, 12.2036,

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

23.9346, 12.2036, 7.2249

Protanopia

12.4738, 12.9010, 15.1973

Deuteranopia

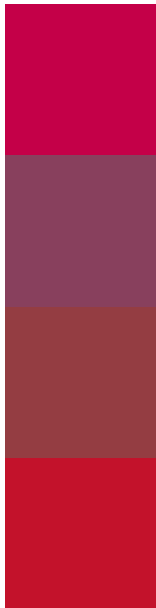
12.9652, 12.7896, 6.4879



Tritanopia

23.1315, 12.5554, 2.1816

Trichromacy



Original Color

23.9346, 12.2036, 7.2249

Protanomaly

13.9625, 9.6913, 11.4906

Deuteranomaly

14.8649, 10.0267, 6.3061

Tritanomaly

23.1580, 12.2091, 3.4215

Monochromacy



Original Color

23.9346, 12.2036, 7.2249

Achromatopsia

5.3350, 5.6128, 6.1124

Achromatomaly

8.8775, 5.7348, 6.2693

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.9346, 12.2036, 7.2249 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(196, 0, 72)` looks like.

```
.text, #text, p{  
    color:rgb(196, 0, 72)  
}
```

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(196, 0, 72) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 0, 72) }
```

Border

The CSS property to change the border of an element to XYZ 23.9346, 12.2036, 7.2249 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(196, 0, 72) }
```


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

```
.border{ border-color:rgb(196, 0, 72) }
```

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

Here you see how a box with a 4 pixel `rgb(196, 0, 72)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 0, 72); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 0, 72);  
box-shadow:4px 4px 4px 4px rgb(196, 0, 72)  
}
```

Background

The CSS property to change the background color of an element to XYZ 23.9346, 12.2036, 7.2249 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 0, 72) }
```

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

```
.background{ background-color: rgb(196, 0,  
72) }
```

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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