

Converting Colors

XYZ(24.1656, 12.3066, 7.9655)

Have a look what the booklet for
XYZ(24.1656, 12.3066, 7.9655)
contains.

XYZ(24.0695, 12.2576, 7.9348)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(24.0695, 12.2576,
7.9348)**

Conversions

Conversions Part 1

Format	Color
Hex	C4004C
RGB	196, 0, 76
RGB Percent	77%, 0%, 30%
CMY	0.2314, 0.9998, 0.7020
CMYK	0.00, 1.00, 0.61, 0.23
HSL	337°, 100%, 38%
HSV	337°, 100%, 77%
XYZ	24.0695, 12.2576, 7.9348
YIQ	67.2680, 92.4200, 65.1880

Conversions

Conversions Part 2

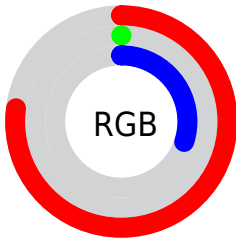
Format	Color
RYB	196, 0, 76
Decimal	12845132
CIELab	41.62, 67.96, 15.81
CIELCh	42, 69.776, 13.096
Yxy	12.2576, 0.5438, 0.2769
Android (android.graphics.Color)	4291035212 (0xFFC4004C)
YUV	67.2680, 4.3049, 112.8980
Hunter-Lab	35.0109, 61.4474, 11.0702

Details

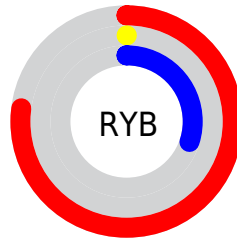
The XYZ color **24.0695, 12.2576, 7.9348** is a dark color, and the websafe version is hex **CC3366**. The color can be described as dark washed red. A complement of this color would be **23.1328, 40.8370, 24.4444**, and the grayscale version is **5.3639, 5.6432, 6.1455**.

A 20% lighter version of the original color is **48.1266, 29.2122, 22.1708**, and **10.1060, 5.1781, 1.9057** is the 20% darker color. If you saturate the color by 10%, you get **24.0686, 12.2572, 7.9305**, and if you desaturate by 10%, it is **24.7702, 12.9280, 10.4229**.

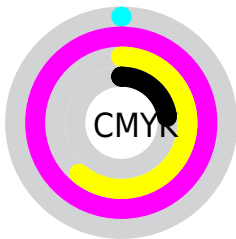
Distribution



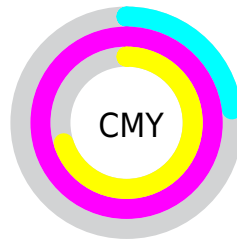
- Red (77%)
- Green (0%)
- Blue (30%)



- Red (77%)
- Yellow (0%)
- Blue (30%)



- Cyan (0%)
- Magenta (100%)
- Yellow (61%)
- Black (23%)





- Cyan (23%)
- Magenta (100%)
- Yellow (70%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 24.0695, 12.2576, 7.9348 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 24.0695, 12.2576, 7.9348 by changing the saturation by 10% instead.

 24.0695, 12.2576,
7.9348


 24.0695, 12.2576,
7.9348


265.6056,
206.1033, 185.1352


 15.5102, 6.9194,
3.9661


 49.5974, 29.9634,
22.3746


 9.2669, 3.4117,
1.6068


 67.2968, 43.0998,
33.6827


 4.9742, 1.3503,
0.2956

 88.7735, 59.6043,
48.2744

 2.2667, 0.1796,
0.0000

 114.3930, 79.8614,
66.5682

 0.7775, 0.0000,
0.0000

 144.5206,
104.2555, 88.9827

 0.0000, 0.0000,
0.0000

 179.5217,

133.1709, 115.9363

219.7616,
166.9920, 147.8476

■ 24.0695, 12.2576,
7.9348

■ 24.0695, 12.2576,
7.9348

■ 24.0686, 12.2572,
7.9305

■ 24.7702, 12.9280,
10.4229

■ 25.7987, 14.1226,
13.4240

■ 27.2456, 16.0170,
16.9869

■ 29.1592, 18.7024,
21.1449

■ 31.5809, 22.2561,
25.9282

■ 34.5472, 26.7461,
31.3644

■ 38.0910, 32.2334,
37.4792

■ 42.2426, 38.7742,
44.2968

■ 47.0301, 46.4200,
51.8400

Harmonies

Analogous

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



23.7967, 12.2576, 23.3062



24.0695, 12.2576, 7.9348



20.3917, 12.2576, 1.8783

Triad

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



24.0695, 12.2576, 7.9348



6.1472, 12.2576, 1.5430



9.0224, 12.2576, 62.3822

Complementary

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



24.0695, 12.2576, 7.9348



23.1328, 40.8370, 24.4444

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.



5.8509, 12.2576, 43.2532



24.0695, 12.2576, 7.9348



4.5548, 12.2576, 6.7261

Square

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



24.0695, 12.2576, 7.9348



9.5642, 12.2576, 0.2658



4.4651, 12.2576, 20.7861



14.0200, 12.2576, 63.7437

Rectangle

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



24.0695, 12.2576, 7.9348



16.6822, 12.2576, 0.6669



4.4651, 12.2576, 20.7861



7.7484, 12.2576, 57.4087

Sweetspot

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



24.0698, 12.2584, 7.9350



68.6642, 57.8618, 67.3235



17.3832, 7.8110, 52.8158



14.0852, 11.4333, 13.3675



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.



24.0698, 12.2584, 7.9350



43.4848, 22.1579, 13.7512



23.0088, 12.2233, 1.1477



10.2312, 10.1411, 11.3081



15.5045, 7.8916, 5.3030



0.7037, 0.3545, 0.4071

Inverse Universe

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



24.0698, 12.2584, 7.9350



43.4848, 22.1579, 13.7512



25.5688, 35.1949, 57.6701



10.2312, 10.1411, 11.3081



15.5045, 7.8916, 5.3030



0.7037, 0.3545, 0.4071

Previews

White Background



This preview shows how the XYZ color 24.0695, 12.2576, 7.9348 looks on a white background.

Color Contrast Check

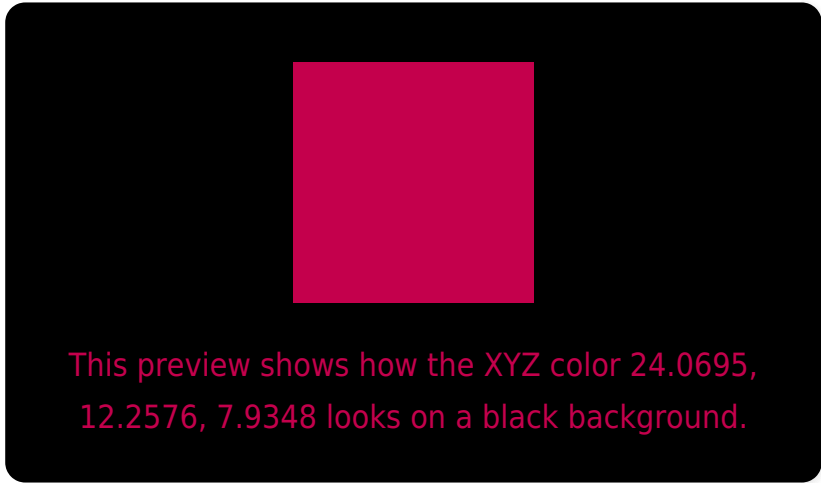
Large Text (above 18pt) WCAG AA ✓ Pass

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

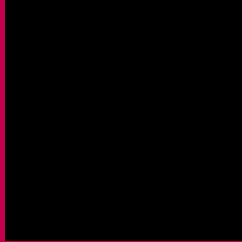
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 24.0695, 12.2576, 7.9348

Background



This preview shows how black text looks on a background with the XYZ color 24.0695, 12.2576, 7.9348.



This preview shows how white text looks on a background with the XYZ color 24.0695, 12.2576,

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

24.0695, 12.2576, 7.9348

Protanopia

12.5720, 12.9147, 16.8691

Deuteranopia

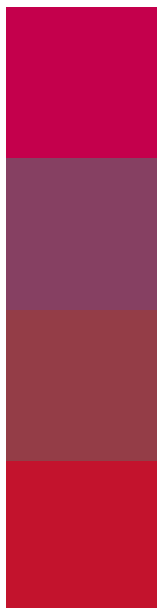
13.1114, 12.8480, 7.2577



Tritanopia

22.9220, 12.4817, 2.2997

Trichromacy



Original Color

24.0695, 12.2576, 7.9348

Protanomaly

13.8695, 9.6170, 12.6805

Deuteranomaly

15.0188, 10.0883, 7.1169

Tritanomaly

23.2122, 12.2573, 3.6251

Monochromacy



Original Color

24.0695, 12.2576, 7.9348

Achromatopsia

5.3350, 5.6128, 6.1124

Achromatomaly

8.9088, 5.7474, 6.4342

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.0695, 12.2576, 7.9348 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, 76)` looks like.

```
.text, #text, p{  
    color:rgb(196, 0, 76)  
}
```

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, 76) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 0, 76) }
```

Border

The CSS property to change the border of an element to XYZ 24.0695, 12.2576, 7.9348 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, 76) }
```


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

```
.border{ border-color:rgb(196, 0, 76) }
```

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, 76) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 0, 76); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 0, 76);  
box-shadow:4px 4px 4px 4px rgb(196, 0, 76)  
}
```

Background

The CSS property to change the background color of an element to XYZ 24.0695, 12.2576, 7.9348 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, 76) }
```

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

```
.background{ background-color: rgb(196, 0,  
76) }
```

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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