

Converting Colors

XYZ(24.2469, 12.3391, 8.3934)

Have a look what the booklet for
XYZ(24.2469, 12.3391, 8.3934)
contains.

XYZ(24.1401, 12.2858, 8.3068)	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(24.1401, 12.2858,
8.3068)**

Conversions

Conversions Part 1

Format	Color
Hex	C4004E
RGB	196, 0, 78
RGB Percent	77%, 0%, 31%
CMY	0.2314, 0.9999, 0.6941
CMYK	0.00, 1.00, 0.60, 0.23
HSL	336°, 100%, 38%
HSV	336°, 100%, 77%
XYZ	24.1401, 12.2858, 8.3068
YIQ	67.4960, 91.7780, 65.8100

Conversions

Conversions Part 2

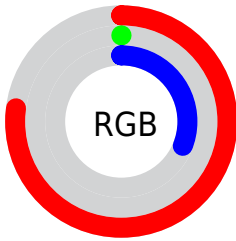
Format	Color
RYB	196, 0, 78
Decimal	12845134
CIELab	41.67, 68.08, 14.60
CIElCh	42, 69.628, 12.105
Yxy	12.2858, 0.5397, 0.2746
Android (android.graphics.Color)	4291035214 (0xFFC4004E)
YUV	67.4960, 5.1785, 112.6980
Hunter-Lab	35.0511, 61.5956, 10.4846

Details

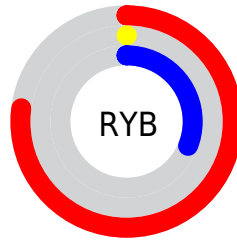
The XYZ color **24.1401, 12.2858, 8.3068** is a dark color, and the websafe version is hex **CC3366**. The color can be described as dark washed red. A complement of this color would be **23.0124, 40.7888, 23.8107**, and the grayscale version is **5.3986, 5.6798, 6.1853**.

A 20% lighter version of the original color is **48.3193, 29.2893, 23.1854**, and **10.1349, 5.1897, 2.0576** is the 20% darker color. If you saturate the color by 10%, you get **24.1392, 12.2855, 8.3028**, and if you desaturate by 10%, it is **24.8457, 12.9581, 10.8205**.

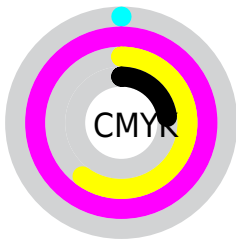
Distribution



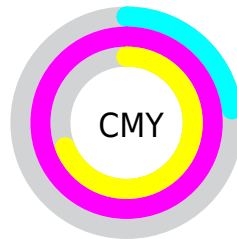
- Red (77%)
- Green (0%)
- Blue (31%)



- Red (77%)
- Yellow (0%)
- Blue (31%)



- Cyan (0%)
- Magenta (100%)
- Yellow (60%)
- Black (23%)





- Cyan (23%)
- Magenta (100%)
- Yellow (69%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.1401, 12.2858, 8.3068 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 24.1401, 12.2858, 8.3068 by changing the saturation by 10% instead.


 24.1401, 12.2858,
8.3068


 24.1401, 12.2858,
8.3068


265.9554,
206.2883, 188.1425


 15.5629, 6.9386,
4.2013


 49.7117, 30.0146,
23.1138


 9.3042, 3.4237,
1.7364


 67.4369, 43.1650,
34.6523


 4.9989, 1.3568,
0.3855

 88.9420, 59.6852,
49.5056

 2.2813, 0.1845,
0.0000

 114.5925, 79.9597,
68.0922

 0.7851, 0.0000,
0.0000

 144.7538,
104.3729, 90.8307

 0.0000, 0.0000,
0.0000

 179.7911,

133.3091, 118.1395

220.0698,
167.1528, 150.4373

■ 24.1401, 12.2858,
8.3068

■ 24.1401, 12.2858,
8.3068

■ 24.1392, 12.2855,
8.3028

■ 24.8457, 12.9581,
10.8205

■ 25.8768, 14.1538,
13.8359

■ 27.3240, 16.0482,
17.4005

■ 29.2353, 18.7326,
21.5469

■ 31.6520, 22.2842,
26.3040

■ 34.6104, 26.7709,
31.6986

■ 38.1432, 32.2538,
37.7557

■ 42.2806, 38.7887,
44.4986

■ 47.0505, 46.4274,
51.9495

Harmonies

Analogous

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



23.7261, 12.2858, 24.0044



24.1401, 12.2858, 8.3068



20.5757, 12.2858, 1.9967

Triad

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



24.1401, 12.2858, 8.3068



6.2561, 12.2858, 1.4834



8.9140, 12.2858, 61.9037

Complementary

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



24.1401, 12.2858, 8.3068



23.0124, 40.7888, 23.8107

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.



5.8050, 12.2858, 42.4532



24.1401, 12.2858, 8.3068



4.6070, 12.2858, 6.4664

Square

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



24.1401, 12.2858, 8.3068



9.7380, 12.2858, 0.2629



4.4704, 12.2858, 20.1784



13.8584, 12.2858, 63.9666

Rectangle

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



24.1401, 12.2858, 8.3068



16.8964, 12.2858, 0.7202



4.4704, 12.2858, 20.1784



7.6616, 12.2858, 56.7605

Sweetspot

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



24.1404, 12.2866, 8.3070



68.7607, 57.9004, 67.8316



17.3831, 7.8109, 52.8158



14.1078, 11.4424, 13.4865



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.



24.1404, 12.2866, 8.3070



43.6112, 22.2085, 14.4164



23.0088, 12.2232, 1.1477



10.2355, 10.1428, 11.3306



15.5505, 7.9099, 5.5449



0.7059, 0.3554, 0.4186

Inverse Universe

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



24.1404, 12.2866, 8.3070



43.6112, 22.2085, 14.4164



25.5687, 35.1948, 57.6700



10.2355, 10.1428, 11.3306



15.5505, 7.9099, 5.5449



0.7059, 0.3554, 0.4186

Previews

White Background



This preview shows how the XYZ color 24.1401, 12.2858, 8.3068 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

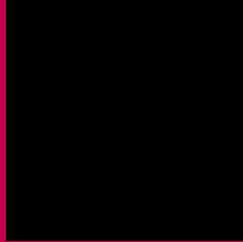
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 24.1401, 12.2858, 8.3068

Background



This preview shows how black text looks on a background with the XYZ color 24.1401, 12.2858, 8.3068.



This preview shows how white text looks on a background with the XYZ color 24.1401, 12.2858,

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

24.1401, 12.2858, 8.3068

Protanopia

12.7400, 12.9819, 17.7539

Deuteranopia

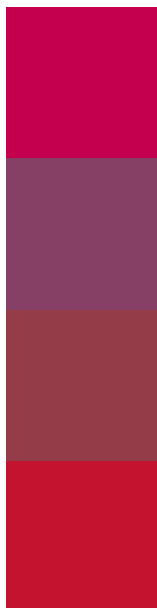
13.0341, 12.8010, 7.5782



Tritanopia

22.9599, 12.5380, 2.3724

Trichromacy



Original Color

24.1401, 12.2858, 8.3068

Protanomaly

14.0139, 9.6747, 13.4407

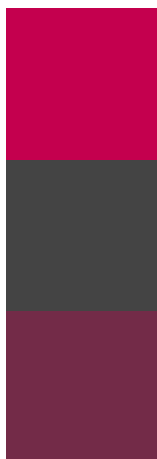
Deuteranomaly

15.0841, 10.1144, 7.4606

Tritanomaly

23.2689, 12.3076, 3.8385

Monochromacy



Original Color

24.1401, 12.2858, 8.3068

Achromatopsia

5.4944, 5.7805, 6.2950

Achromatomaly

9.1038, 5.8405, 6.7784

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.1401, 12.2858, 8.3068 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, 78)` looks like.

```
.text, #text, p{  
    color:rgb(196, 0, 78)  
}
```

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, 78) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 0, 78) }
```

Border

The CSS property to change the border of an element to XYZ 24.1401, 12.2858, 8.3068 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, 78) }
```


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

```
.border{ border-color:rgb(196, 0, 78) }
```

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, 78)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 0, 78); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 0, 78);  
box-shadow:4px 4px 4px 4px rgb(196, 0, 78)  
}
```

Background

The CSS property to change the background color of an element to XYZ 24.1401, 12.2858, 8.3068 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, 78) }
```

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

```
.background{ background-color: rgb(196, 0,  
78) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor