

Converting Colors

XYZ(24.2026, 12.8845, 7.9461)

Have a look what the booklet for
XYZ(24.2026, 12.8845, 7.9461)
contains.

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Color

**XYZ(24.1451, 12.8489,
7.8641)**

Conversions

Conversions Part 1

Format	Color
Hex	C31A4B
RGB	195, 26, 75
RGB Percent	76%, 10%, 29%
CMY	0.2353, 0.8980, 0.7059
CMYK	0.00, 0.87, 0.62, 0.24
HSL	343°, 76%, 43%
HSV	343°, 87%, 76%
XYZ	24.1451, 12.8489, 7.8641
YIQ	82.1170, 84.9950, 51.0670

Conversions

Conversions Part 2

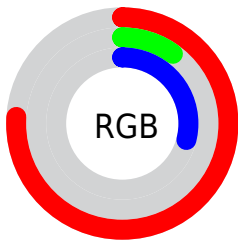
Format	Color
RYB	195, 26, 75
Decimal	12786251
CIELab	42.53, 64.36, 17.63
CIElCh	43, 66.732, 15.321
Yxy	12.8489, 0.5383, 0.2864
Android (android.graphics.Color)	4290976331 (0xFFC31A4B)
YUV	82.1170, -3.5087, 98.9984
Hunter-Lab	35.8454, 57.5065, 12.0841

Details

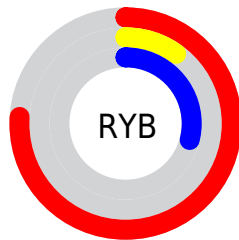
The XYZ color **24.1451, 12.8489, 7.8641** is a dark color, and the websafe version is hex **CC3366**. The color can be described as dark washed red. A complement of this color would be **25.1312, 41.3258, 33.8536**, and the grayscale version is **8.0402, 8.4589, 9.2118**.

A 20% lighter version of the original color is **48.7295, 30.5188, 22.0613**, and **10.0922, 5.1726, 1.8330** is the 20% darker color. If you saturate the color by 10%, you get **23.4228, 12.0821, 5.5340**, and if you desaturate by 10%, it is **25.2607, 14.2374, 10.8344**.

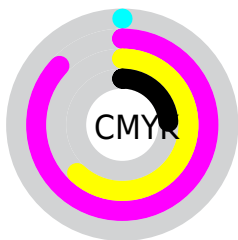
Distribution



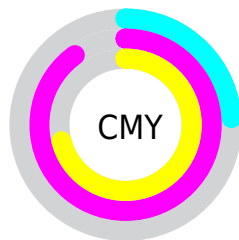
- Red (76%)
- Green (10%)
- Blue (29%)



- Red (76%)
- Yellow (10%)
- Blue (29%)



- Cyan (0%)
- Magenta (87%)
- Yellow (62%)
- Black (24%)





- Cyan (24%)
- Magenta (90%)
- Yellow (71%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.1451, 12.8489, 7.8641 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 24.1451, 12.8489, 7.8641 by changing the saturation by 10% instead.


 24.1451, 12.8489,
7.8641

 24.1451, 12.8489,
7.8641


265.9801,
209.9470, 184.5568


 15.5666, 7.3246,
3.9216


 49.7198, 31.0321,
22.2333


 9.3069, 3.6659,
1.5824


 67.4468, 44.4597,
33.4972


 5.0006, 1.4885,
0.2782

 88.9539, 61.2905,
48.0385

 2.2824, 0.2806,
0.0000

 114.6066, 81.9090,
66.2759

 0.7856, 0.0000,
0.0000

 144.7703,
106.6995, 88.6279

 0.0000, 0.0000,
0.0000

 179.8101,

136.0464, 115.5130

220.0916,
170.3341, 147.3498

■ 24.1451, 12.8489,
7.8641

■ 24.1451, 12.8489,
7.8641

■ 23.4228, 12.0821,
5.5340

■ 25.2607, 14.2374,
10.8344

■ 23.2323, 11.8927,
4.8799

■ 26.8299, 16.3580,
14.4953

■ 28.9004, 19.2971,
18.8906

■ 31.5133, 23.1286,
24.0602

■ 34.7053, 27.9179,
30.0407

■ 38.5098, 33.7241,
36.8663

■ 42.9575, 40.6018,
44.5691

■ 48.0770, 48.6014,
53.1796

■ 53.8953, 57.7702,
62.7266

Harmonies

Analogous

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



24.1893, 12.8489, 22.2672



24.1451, 12.8489, 7.8641



20.3718, 12.8489, 2.0809

Triad

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



24.1451, 12.8489, 7.8641



6.5368, 12.8489, 2.1432



9.9178, 12.8489, 61.6697

Complementary

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



24.1451, 12.8489, 7.8641



25.1312, 41.3258, 33.8536

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.



6.5875, 12.8489, 44.4553



24.1451, 12.8489, 7.8641



5.0324, 12.8489, 8.0702

Square

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



24.1451, 12.8489, 7.8641



9.8269, 12.8489, 0.6275



5.0480, 12.8489, 22.6786



14.9559, 12.8489, 61.4538

Rectangle

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



24.1451, 12.8489, 7.8641



16.7218, 12.8489, 0.8878



5.0480, 12.8489, 22.6786



8.5968, 12.8489, 57.3929

Sweetspot

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



24.1454, 12.8497, 7.8643



69.1597, 60.6893, 66.3590



21.7751, 10.6366, 52.5350



14.5876, 12.4350, 13.5443



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.



24.1454, 12.8497, 7.8643



41.5165, 21.2629, 8.2500



24.2984, 14.8891, 2.5716



10.1906, 10.1248, 11.0942



15.1319, 7.7425, 3.3406



0.6847, 0.3469, 0.3068

Inverse Universe

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



24.1454, 12.8497, 7.8643



41.5165, 21.2629, 8.2500



23.0572, 29.7209, 56.1510



10.1906, 10.1248, 11.0942



15.1319, 7.7425, 3.3406



0.6847, 0.3469, 0.3068

Previews

White Background



This preview shows how the XYZ color 24.1451, 12.8489, 7.8641 looks on a white background.

Color Contrast Check

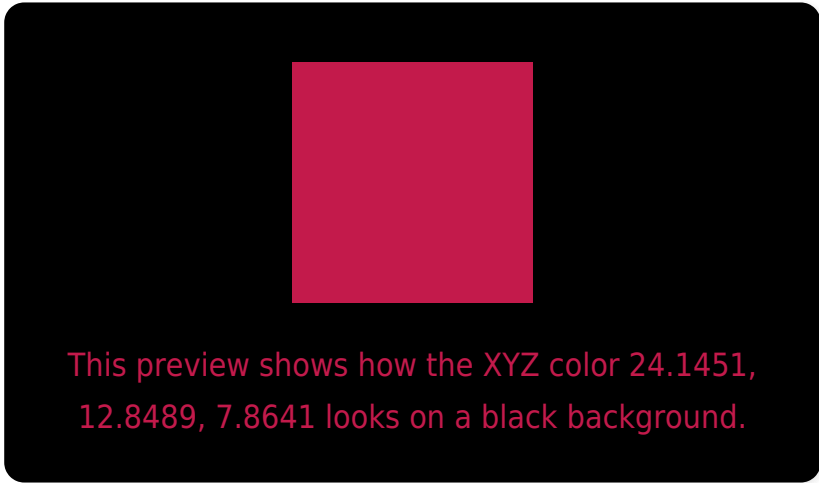
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.1451, 12.8489, 7.8641

Background



This preview shows how black text looks on a background with the XYZ color 24.1451, 12.8489, 7.8641.



This preview shows how white text looks on a background with the XYZ color 24.1451, 12.8489,

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

24.1451, 12.8489, 7.8641

Protanopia

12.7870, 13.1937, 15.7826

Deuteranopia

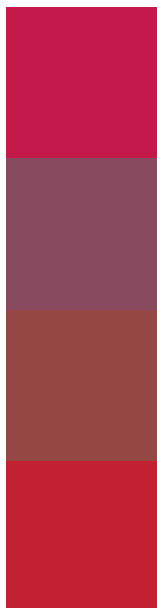
13.3139, 13.0922, 7.1355



Tritanopia

23.2436, 12.9260, 3.0202

Trichromacy



Original Color

24.1451, 12.8489, 7.8641

Protanomaly

14.6677, 10.9580, 12.1685

Deuteranomaly

15.7532, 11.3382, 7.1526

Tritanomaly

23.3895, 12.7961, 4.3691

Monochromacy



Original Color

24.1451, 12.8489, 7.8641

Achromatopsia

8.0200, 8.4376, 9.1886

Achromatomaly

11.3023, 8.2207, 8.3882

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.1451, 12.8489, 7.8641 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(195, 26, 75)` looks like.

```
.text, #text, p{  
    color:rgb(195, 26, 75)  
}
```

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(195, 26, 75) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(195, 26, 75) }
```

Border

The CSS property to change the border of an element to XYZ 24.1451, 12.8489, 7.8641 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(195, 26, 75) }
```


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

```
.border{ border-color:rgb(195, 26, 75) }
```

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

Here you see how a box with a 4 pixel rgb(195, 26, 75) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(195, 26, 75); -webkit-box-  
shadow:4px 4px 4px 4px rgb(195, 26, 75);  
box-shadow:4px 4px 4px 4px rgb(195, 26,  
75) }
```

Background

The CSS property to change the background color of an element to XYZ 24.1451, 12.8489, 7.8641 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(195, 26, 75) }
```

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

```
.background{ background-color: rgb(195, 26,  
75) }
```

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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