

Converting Colors

XYZ(30.9936, 15.3243, 39.7769)

Have a look what the booklet for
XYZ(30.9936, 15.3243, 39.7769)
contains.

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Color

**XYZ(31.0353, 15.3453,
39.8543)**

Conversions

Conversions Part 1

Format	Color
Hex	C70CAB
RGB	199, 12, 171
RGB Percent	78%, 5%, 67%
CMY	0.2196, 0.9528, 0.3294
CMYK	0.00, 0.94, 0.14, 0.22
HSL	309°, 89%, 41%
HSV	309°, 94%, 78%
XYZ	31.0353, 15.3453, 39.8543
YIQ	86.0390, 60.4130, 89.0930

Conversions

Conversions Part 2

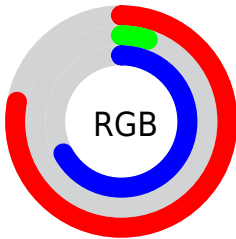
Format	Color
R_{YB}	199, 12, 171
Decimal	13044907
CIE _{Lab}	46.10, 76.62, -35.99
CIE _{LCh}	46, 84.649, 334.838
Yxy	15.3453, 0.3599, 0.1779
Android (android.graphics.Color)	4291234987 (0xFFC70CAB)
YUV	86.0390, 41.8858, 99.0668
Hunter-Lab	39.1731, 72.8657, -32.8999

Details

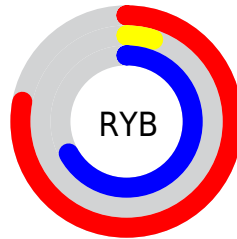
The XYZ color **31.0353, 15.3453, 39.8543** is a dark color, and the websafe version is hex **CC0099**. The color can be described as dark washed rose. A complement of this color would be **20.9590, 41.0788, 8.8343**, and the grayscale version is **8.7619, 9.2182, 10.0386**.

A 20% lighter version of the original color is **59.0195, 34.6348, 76.2476**, and **14.0852, 6.8835, 17.7258** is the 20% darker color. If you saturate the color by 10%, you get **30.7335, 15.0143, 38.9125**, and if you desaturate by 10%, it is **31.7060, 16.2265, 41.4954**.

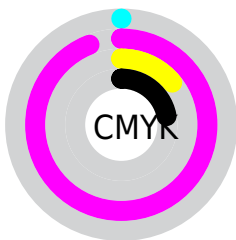
Distribution



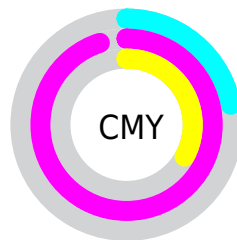
- Red (78%)
- Green (5%)
- Blue (67%)



- Red (78%)
- Yellow (5%)
- Blue (67%)



- Cyan (0%)
- Magenta (94%)
- Yellow (14%)
- Black (22%)





- Cyan (22%)
- Magenta (95%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.0353, 15.3453, 39.8543 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 31.0353, 15.3453, 39.8543 by changing the saturation by 10% instead.


 31.0353, 15.3453,
39.8543


 31.0353, 15.3453,
39.8543


298.5249,
225.4468, 361.0429

 20.7777, 9.0621,
27.1120


 60.6711, 35.4578,
76.1763

 13.0731, 4.7817,
17.4242


 80.7800, 50.0559,
100.5930


 7.5563, 2.1198,
10.3723


 104.9034, 68.1944,
129.7384

 3.8618, 0.6757,
5.5376

 133.4066, 90.2577,
164.0309

 1.6242, 0.0000,
2.5018

 166.6550,
116.6302, 203.8890

 0.4081, 0.0000,
0.8411

 205.0140,

 0.0000, 0.0000,

147.6963, 249.7314

0.0000

248.8488,
183.8404, 301.9765

■ 31.0353, 15.3453,
39.8543

■ 31.0353, 15.3453,
39.8543

■ 30.7335, 15.0143,
38.9125

■ 31.7060, 16.2265,
41.4954

■ 32.7055, 17.7555,
43.2778

■ 34.0853, 20.0346,
45.2190

■ 35.8873, 23.1476,
47.3331

■ 38.1479, 27.1674,
49.6324

■ 40.8996, 32.1588,
52.1281

■ 44.1718, 38.1805,
54.8301

■ 47.9916, 45.2870,
57.7476

■ 52.3844, 53.5284,
60.8893

Harmonies

Analogous

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



24.0034, 15.3453, 74.9011



31.0353, 15.3453, 39.8543



33.1731, 15.3453, 13.5840

Triad

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



31.0353, 15.3453, 39.8543



13.4491, 15.3453, 0.0000



5.9212, 15.3453, 51.1081

Complementary

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



31.0353, 15.3453, 39.8543



20.9590, 41.0788, 8.8343

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.



4.6860, 15.3453, 20.2785



31.0353, 15.3453, 39.8543



8.0228, 15.3453, 0.7000

Square

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



31.0353, 15.3453, 39.8543



21.2946, 15.3453, 0.2008



5.3041, 15.3453, 4.8887



9.4578, 15.3453, 84.3604

Rectangle

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



31.0353, 15.3453, 39.8543



31.0899, 15.3453, 4.9786



5.3041, 15.3453, 4.8887



5.2873, 15.3453, 39.4936

Sweetspot

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



31.0359, 15.3461, 39.8546



74.6734, 61.9254, 93.8500



11.2021, 4.7797, 54.3653



15.4607, 12.2951, 19.6501



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.



31.0359, 15.3461, 39.8546



53.7400, 26.2600, 67.7541



25.1548, 12.9936, 8.8852



11.0122, 10.7883, 13.0475



19.7879, 9.6647, 25.1568



0.9560, 0.4652, 1.2915

Inverse Universe

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



31.0359, 15.3461, 39.8546



53.7400, 26.2600, 67.7541



24.6347, 42.5491, 28.1900



11.0122, 10.7883, 13.0475



19.7879, 9.6647, 25.1568



0.9560, 0.4652, 1.2915

Previews

White Background



This preview shows how the XYZ color 31.0353, 15.3453, 39.8543 looks on a white background.

Color Contrast Check

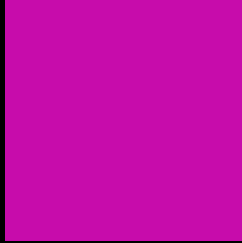
Large Text (above 18pt) WCAG AA ✓ Pass

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 31.0353, 15.3453, 39.8543 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

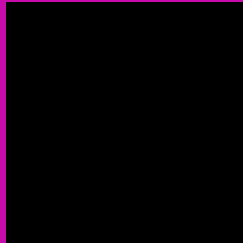
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 31.0353, 15.3453, 39.8543

Background



This preview shows how black text looks on a background with the XYZ color 31.0353, 15.3453, 39.8543.



This preview shows how white text looks on a background with the XYZ color 31.0353, 15.3453,

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

31.0353, 15.3453, 39.8543

Protanopia

19.1228, 16.0614, 74.7653

Deuteranopia

16.3233, 15.9492, 35.9364



Tritanopia

24.4720, 15.5493, 7.8424

Trichromacy



Original Color

31.0353, 15.3453, 39.8543



Protanomaly

16.2523, 10.5174, 60.2050



Deuteranomaly

18.4462, 12.3600, 37.0108



Tritanomaly

25.7560, 14.5341, 15.6352

Monochromacy



Original Color

31.0353, 15.3453, 39.8543



Achromatopsia

8.8453, 9.3059, 10.1341



Achromatomaly

13.5272, 8.9243, 17.8392

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.0353, 15.3453, 39.8543 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(199, 12, 171)` looks like.

```
.text, #text, p{  
    color:rgb(199, 12, 171)  
}
```

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(199, 12, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 12, 171) }
```

Border

The CSS property to change the border of an element to XYZ 31.0353, 15.3453, 39.8543 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(199, 12, 171) }
```


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

```
.border{ border-color:rgb(199, 12, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 12, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 12, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 12, 171);  
box-shadow:4px 4px 4px 4px rgb(199, 12,  
171) }
```

Background

The CSS property to change the background color of an element to XYZ 31.0353, 15.3453, 39.8543 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 12, 171) }
```

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

```
.background{ background-color: rgb(199, 12,  
171) }
```

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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