

Converting Colors

XYZ(31.3932, 15.9715, 58.7522)

Have a look what the booklet for
XYZ(31.3932, 15.9715, 58.7522)
contains.

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Color

**XYZ(31.3594, 15.9362,
58.5499)**

Conversions

Conversions Part 1

Format	Color
Hex	B826CC
RGB	184, 38, 204
RGB Percent	72%, 15%, 80%
CMY	0.2784, 0.8510, 0.2000
CMYK	0.10, 0.81, 0.00, 0.20
HSL	293°, 69%, 47%
HSV	293°, 81%, 80%
XYZ	31.3594, 15.9362, 58.5499
YIQ	100.5780, 33.7300, 82.5780

Conversions

Conversions Part 2

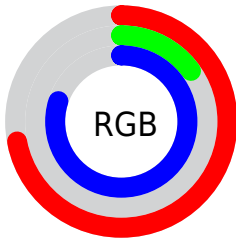
Format	Color
R_{YB}	184, 38, 204
Decimal	12068556
CIE _{Lab}	46.89, 74.42, -54.20
CIE _{LCh}	47, 92.066, 323.931
Yxy	15.9362, 0.2963, 0.1506
Android (android.graphics.Color)	4290258636 (0xFFB826CC)
YUV	100.5780, 50.9870, 73.1611
Hunter-Lab	39.9202, 70.3609, -59.0150

Details

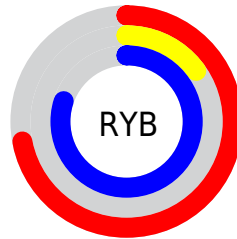
The XYZ color **31.3594, 15.9362, 58.5499** is a dark color, and the websafe version is hex **CC33CC**. The color can be described as middle muted purple. A complement of this color would be **23.6881, 44.2256, 9.1222**, and the grayscale version is **12.1294, 12.7611, 13.8968**.

A 20% lighter version of the original color is **60.2085, 36.1536, 98.4127**, and **14.0290, 6.6055, 28.9694** is the 20% darker color. If you saturate the color by 10%, you get **30.2930, 14.6693, 58.3618**, and if you desaturate by 10%, it is **32.7943, 17.9237, 58.8581**.

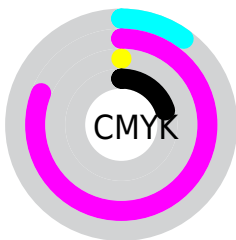
Distribution



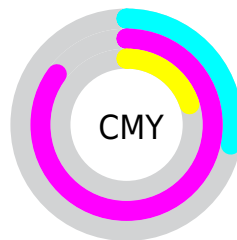
- Red (72%)
- Green (15%)
- Blue (80%)



- Red (72%)
- Yellow (15%)
- Blue (80%)



- Cyan (10%)
- Magenta (81%)
- Yellow (0%)
- Black (20%)





- Cyan (28%)
- Magenta (85%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.3594, 15.9362, 58.5499 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 31.3594, 15.9362, 58.5499 by changing the saturation by 10% instead.


 31.3594, 15.9362,
58.5499

 31.3594, 15.9362,
58.5499


299.9881,
228.9650, 436.8872

 21.0258, 9.4790,
41.8333


 61.1775, 36.4874,
104.2459

 13.2555, 5.0549,
28.6462


 81.3927, 51.3502,
134.0623

 7.6829, 2.2795,
18.5700


 105.6325, 69.7837,
169.0824

 3.9428, 0.7628,
11.1864

 134.2623, 92.1723,
209.7248

 1.6698, 0.0000,
6.0766

 167.6474,
118.9003, 256.4079

 0.4373, 0.0000,
2.8222

 206.1531,

 0.0000, 0.0000,

150.3521, 309.5503

1.0046

250.1449,
186.9122, 369.5706

■ 0.0000, 0.0000,
0.0000

■ 31.3594, 15.9362,
58.5499

■ 31.3594, 15.9362,
58.5499

■ 30.2930, 14.6693,
58.3618

■ 32.7943, 17.9237,
58.8581

■ 29.5875, 13.9938,
58.2686

■ 34.6470, 20.7320,
59.3026

■ 36.9609, 24.4476,
59.8978

■ 39.7737, 29.1454,
60.6563

■ 43.1188, 34.8926,
61.5893

■ 47.0270, 41.7503,
62.7070

■ 51.5266, 49.7750,
64.0188

■ 56.6438, 59.0194,
65.5334

■ 62.4035, 69.5328,
67.2591

Harmonies

Analogous

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



22.3091, 15.9362, 97.2142



31.3594, 15.9362, 58.5499



36.2596, 15.9362, 22.4566

Triad

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



31.3594, 15.9362, 58.5499



16.8378, 15.9362, 0.0000



4.9666, 15.9362, 42.1644

Complementary

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



31.3594, 15.9362, 58.5499



23.6881, 44.2256, 9.1222

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.



4.3999, 15.9362, 13.0860



31.3594, 15.9362, 58.5499



9.7095, 15.9362, 0.0000

Square

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



31.3594, 15.9362, 58.5499



26.1710, 15.9362, 0.4494



5.7835, 15.9362, 2.1704



7.7564, 15.9362, 83.2067

Rectangle

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



31.3594, 15.9362, 58.5499



35.6060, 15.9362, 8.7377



5.7835, 15.9362, 2.1704



4.5630, 15.9362, 30.3164

Sweetspot

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



31.3601, 15.9369, 58.5502



75.8765, 65.6029, 103.2712



13.3219, 8.0182, 57.9725



15.7389, 13.1609, 21.9607



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.



31.3601, 15.9369, 58.5502



49.1233, 23.3210, 96.5201



30.5635, 16.2114, 27.5589



11.5494, 11.3325, 14.1490



18.6752, 8.8349, 36.6773



1.0018, 0.4756, 1.8939

Inverse Universe

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



26.3591, 14.5296, 5.4189



41.6018, 21.4933, 3.5622



24.6385, 44.4965, 19.0622



11.2664, 11.2353, 11.9375



15.7995, 8.1304, 1.3970



0.8338, 0.4269, 0.1708

Previews

White Background



This preview shows how the XYZ color 31.3594, 15.9362, 58.5499 looks on a white background.

Color Contrast Check

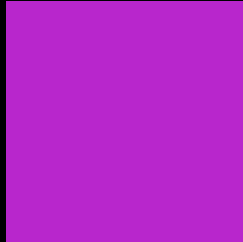
Large Text (above 18pt) WCAG AA ✓ Pass

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 31.3594, 15.9362, 58.5499 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

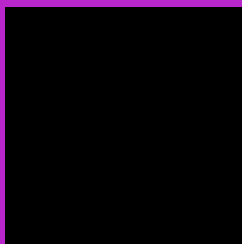
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 31.3594, 15.9362, 58.5499

Background



This preview shows how black text looks on a background with the XYZ color 31.3594, 15.9362, 58.5499.



This preview shows how white text looks on a background with the XYZ color 31.3594, 15.9362,

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

31.3594, 15.9362, 58.5499

Protanopia

19.3662, 16.3266, 75.5294

Deuteranopia

16.7974, 16.3135, 52.7156



Tritanopia

21.8371, 15.9743, 12.0576

Trichromacy



Original Color

31.3594, 15.9362, 58.5499



Protanomaly

18.1942, 12.4943, 68.4705



Deuteranomaly

18.4428, 13.2835, 54.4152



Tritanomaly

24.0410, 15.0637, 23.8308

Monochromacy



Original Color

31.3594, 15.9362, 58.5499



Achromatopsia

12.3695, 13.0136, 14.1719



Achromatomaly

16.6719, 12.1091, 25.5033

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.3594, 15.9362, 58.5499 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(184, 38, 204)` looks like.

```
.text, #text, p{  
    color:rgb(184, 38, 204)  
}
```

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(184, 38, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 38, 204) }
```

Border

The CSS property to change the border of an element to XYZ 31.3594, 15.9362, 58.5499 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(184, 38, 204) }
```


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

```
.border{ border-color:rgb(184, 38, 204) }
```

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

Here you see how a box with a 4 pixel rgb(184, 38, 204) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(184, 38, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(184, 38, 204);  
box-shadow:4px 4px 4px 4px rgb(184, 38,  
204) }
```

Background

The CSS property to change the background color of an element to XYZ 31.3594, 15.9362, 58.5499 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(184, 38, 204) }
```

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

```
.background{ background-color: rgb(184, 38,  
204) }
```

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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