

Converting Colors

XYZ(37.8316, 18.4948, 96.1836)

Have a look what the booklet for
XYZ(37.8316, 18.4948, 96.1836)
contains.

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Color

**XYZ(37.8316, 18.4948,
96.1836)**

Conversions

Conversions Part 1

Format	Color
Hex	B527FF
RGB	181, 39, 255
RGB Percent	71%, 15%, 100%
CMY	0.2902, 0.8470, 0.0000
CMYK	0.29, 0.85, 0.00, 0.00
HSL	279°, 100%, 58%
HSV	279°, 85%, 100%
XYZ	37.8316, 18.4948, 96.1836
YIQ	106.0820, 15.2960, 97.2800

Conversions

Conversions Part 2

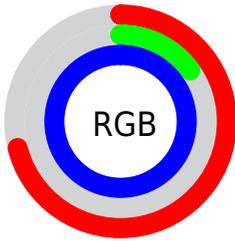
Format	Color
R _Y B	181, 39, 255
Decimal	11872255
CIE Lab	50.09, 82.92, -77.95
CIE LCh	50, 113.810, 316.770
Yxy	18.4948, 0.2481, 0.1213
Android (android.graphics.Color)	4290062335 (0xFFB527FF)
YUV	106.0820, 73.4166, 65.7031
Hunter-Lab	43.0056, 81.7650, -102.5004

Details

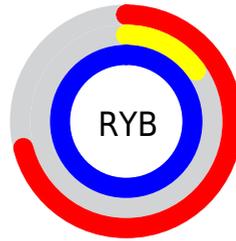
The XYZ color **37.8316, 18.4948, 96.1836** is a light color, and the websafe version is hex **CC33FF**. The color can be described as light washed purple. A complement of this color would be **42.9362, 75.1772, 14.1674**, and the grayscale version is **13.5255, 14.2299, 15.4964**.

A 20% lighter version of the original color is **59.8220, 36.4053, 98.4817**, and **17.8238, 8.0243, 53.4327** is the 20% darker color. If you saturate the color by 10%, you get **35.2725, 16.3219, 95.8991**, and if you desaturate by 10%, it is **41.0821, 21.8574, 96.6614**.

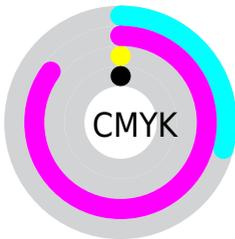
Distribution



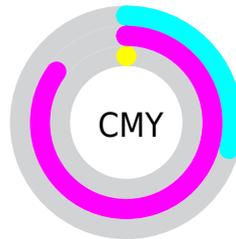
- Red (71%)
- Green (15%)
- Blue (100%)



- Red (71%)
- Yellow (15%)
- Blue (100%)



- Cyan (29%)
- Magenta (85%)
- Yellow (0%)
- Black (0%)



- Cyan (29%)
- Magenta (85%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.8316, 18.4948, 96.1836 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 37.8316, 18.4948, 96.1836 by changing the saturation by 10% instead.

 37.8316, 18.4948,
96.1836

 37.8316, 18.4948,
96.1836

328.1904,
243.6454, 569.0281

 26.0286, 11.3058,
72.5182

 71.1555, 40.8787,
157.9084

 16.9779, 6.2729,
53.0926

 93.4072, 56.8423,
196.8048

 10.3139, 3.0117,
37.4885

 119.8724, 76.4997,
241.6154

 5.6714, 1.1379,
25.2872

 150.9167,
100.2351, 292.7585

 2.6851, 0.0101,
16.0702

 186.9052,
128.4330, 350.6528

 0.9895, 0.0000,
9.4189

228.2035,

 0.0000, 0.0000,

161.4777, 415.7168

4.9149

275.1767,
199.7537, 488.3691

■ 0.0000, 0.0000,
2.1396

■ 0.0000, 0.0000,
0.6392

■ 37.8316, 18.4948,
96.1836

■ 37.8316, 18.4948,
96.1836

■ 35.2725, 16.3219,
95.8991

■ 41.0821, 21.8574,
96.6614

■ 34.1223, 15.5056,
95.8022

■ 45.1206, 26.6033,
97.3646

■ 50.0294, 32.8923,
98.3198

■ 55.8785, 40.8615,
99.5497

■ 62.7303, 50.6322,
101.0745

■ 70.6413, 62.3147,
102.9125

■ 79.6636, 76.0099,
105.0804

■ 89.8455, 91.8118,
107.5938

■ 95.0500, 100.0000,
108.9000

Harmonies

Analogous

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



24.3854, 18.4948, 150.7688



37.8316, 18.4948, 96.1836



47.0984, 18.4948, 37.3435

Triad

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



37.8316, 18.4948, 96.1836



22.8547, 18.4948, 0.0000



4.1387, 18.4948, 43.0467

Complementary

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



37.8316, 18.4948, 96.1836



42.9362, 75.1772, 14.1674

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.



4.0116, 18.4948, 9.2446



37.8316, 18.4948, 96.1836



12.1736, 18.4948, 0.0000

Square

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



37.8316, 18.4948, 96.1836



36.3180, 18.4948, 0.2405



6.2628, 18.4948, 0.5881



6.7368, 18.4948, 103.8552

Rectangle

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



37.8316, 18.4948, 96.1836



47.8981, 18.4948, 13.8291



6.2628, 18.4948, 0.5881



3.8596, 18.4948, 28.1213

Sweetspot

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



37.8325, 18.4954, 96.1837



70.3921, 61.9414, 102.8536



24.9722, 19.8223, 97.1176



14.4478, 12.3359, 21.8695



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.



37.8325, 18.4954, 96.1837



34.1223, 15.5056, 95.8022



55.2311, 28.0174, 72.0268



18.1530, 17.9706, 22.7619



17.9961, 8.1878, 50.0665



1.8695, 0.8577, 4.8803

Inverse Universe

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



44.9462, 23.9035, 17.8675



42.9750, 21.9540, 11.0662



37.7471, 72.4115, 18.0165



18.2662, 18.0898, 20.0189



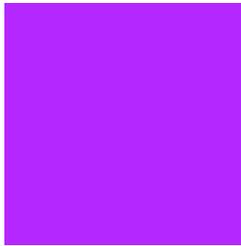
22.5180, 11.4965, 6.1124



2.2414, 1.1389, 0.8527

Previews

White Background



This preview shows how the XYZ color 37.8316, 18.4948, 96.1836 looks on a white background.

Color Contrast Check

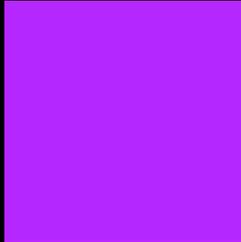
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

Black Background



This preview shows how the XYZ color 37.8316, 18.4948, 96.1836 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

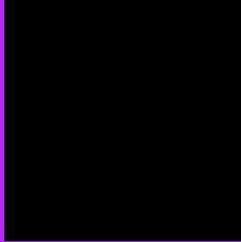
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 37.8316, 18.4948, 96.1836

Background



This preview shows how black text looks on a background with the XYZ color 37.8316, 18.4948, 96.1836.

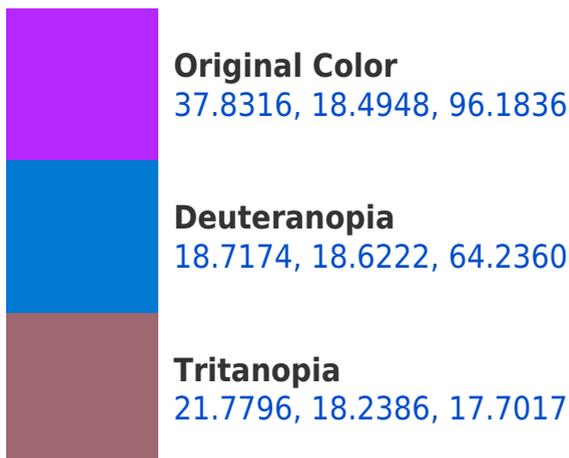


This preview shows how white text looks on a background with the XYZ color 37.8316, 18.4948,

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



Trichromacy



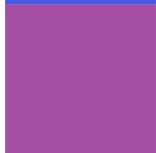
Original Color

37.8316, 18.4948, 96.1836



Deuteranomaly

19.9390, 14.3586, 74.3936



Tritanomaly

25.2954, 16.5246, 36.9783

Monochromacy



Original Color

37.8316, 18.4948, 96.1836



Achromatopsia

13.6994, 14.4128, 15.6956



Achromatomaly

19.0353, 13.5592, 34.8716

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.8316, 18.4948, 96.1836 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(181, 39, 255)` looks like.

```
.text, #text, p{  
    color:rgb(181, 39, 255)  
}
```

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(181, 39, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 39, 255) }
```

Border

The CSS property to change the border of an element to XYZ 37.8316, 18.4948, 96.1836 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(181, 39, 255) }
```

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

```
.border{ border-color:rgb(181, 39, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(181, 39, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(181, 39, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(181, 39, 255); box-shadow:4px 4px 4px 4px rgb(181, 39, 255) }
```

Background

The CSS property to change the background color of an element to XYZ 37.8316, 18.4948, 96.1836 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 39, 255) }
```

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

```
.background{ background-color: rgb(181, 39,  
255) }
```

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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