

Converting Colors

XYZ(37.8242, 19.1714, 96.3146)

Have a look what the booklet for
XYZ(37.8242, 19.1714, 96.3146)
contains.

XYZ(37.8242, 19.1714, 96.3146)	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(37.8242, 19.1714,
96.3146)**

Conversions

Conversions Part 1

Format	Color
Hex	B333FF
RGB	179, 51, 255
RGB Percent	70%, 20%, 100%
CMY	0.2980, 0.8000, 0.0000
CMYK	0.30, 0.80, 0.00, 0.00
HSL	278°, 100%, 60%
HSV	278°, 80%, 100%
XYZ	37.8242, 19.1714, 96.3146
YIQ	112.5280, 10.8040, 90.5800

Conversions

Conversions Part 2

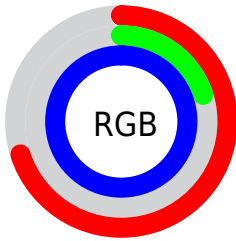
Format	Color
R_{YB}	179, 51, 255
Decimal	11744255
CIE _{Lab}	50.89, 79.47, -76.67
CIE _{LCh}	51, 110.420, 316.028
Yxy	19.1714, 0.2467, 0.1250
Android (android.graphics.Color)	4289934335 (0xFFB333FF)
YUV	112.5280, 70.2387, 58.2959
Hunter-Lab	43.7852, 77.5748, -99.7711

Details

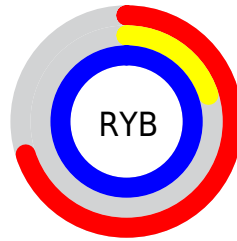
The XYZ color **37.8242, 19.1714, 96.3146** is a light color, and the websafe version is hex **9933FF**. The color can be described as light washed purple. A complement of this color would be **45.1101, 76.2711, 15.4766**, and the grayscale version is **15.3549, 16.1545, 17.5923**.

A 20% lighter version of the original color is **59.8903, 37.5555, 98.7001**, and **17.6858, 7.9532, 53.4263** is the 20% darker color. If you saturate the color by 10%, you get **34.8789, 16.4278, 95.9403**, and if you desaturate by 10%, it is **41.5324, 23.2139, 96.8995**.

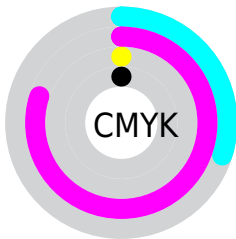
Distribution



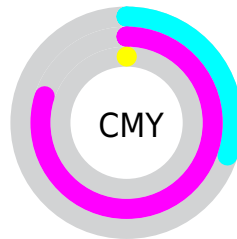
- Red (70%)
- Green (20%)
- Blue (100%)



- Red (70%)
- Yellow (20%)
- Blue (100%)



- Cyan (30%)
- Magenta (80%)
- Yellow (0%)
- Black (0%)





- Cyan (30%)
- Magenta (80%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 37.8242, 19.1714, 96.3146 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 37.8242, 19.1714, 96.3146 by changing the saturation by 10% instead.

 37.8242, 19.1714,
96.3146

 37.8242, 19.1714,
96.3146

328.1591,
247.3934, 569.4565

 26.0229, 11.7942,
72.6267


 71.1442, 42.0235,
158.0907

 16.9735, 6.6037,
53.1808


 93.3937, 58.2672,
197.0160

 10.3108, 3.2155,
37.5584


 119.8565, 78.2352,
241.8574

 5.6694, 1.2453,
25.3410

 150.8981,
102.3119, 293.0336

 2.6838, 0.0982,
16.1099

 186.8838,
130.8817, 350.9631

 0.9889, 0.0000,
9.4468

228.1789,

 0.0000, 0.0000,

164.3289, 416.0643

4.9330

275.1490,
203.0380, 488.7560

■ 0.0000, 0.0000,
2.1499

■ 0.0000, 0.0000,
0.6453

■ 37.8242, 19.1714,
96.3146

■ 37.8242, 19.1714,
96.3146

■ 34.8789, 16.4278,
95.9403

■ 41.5324, 23.2139,
96.8995

■ 32.5480, 14.6940,
95.7285

■ 46.0911, 28.7296,
97.7238

■ 32.5477, 14.6938,
95.7285

■ 51.5773, 35.8670,
98.8123

■ 58.0577, 44.7557,
100.1865

■ 65.5925, 55.5115,
101.8654

■ 74.2363, 68.2406,
103.8668

■ 84.0402, 83.0405,
106.2068

■ 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.



24.6354, 19.1714, 147.8081



37.8242, 19.1714, 96.3146



47.0257, 19.1714, 38.9567

Triad

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



37.8242, 19.1714, 96.3146



23.7588, 19.1714, 0.0000



4.5975, 19.1714, 42.1925

Complementary

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



37.8242, 19.1714, 96.3146



45.1101, 76.2711, 15.4766

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.



4.5203, 19.1714, 9.4860



37.8242, 19.1714, 96.3146



13.0309, 19.1714, 0.0000

Square

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



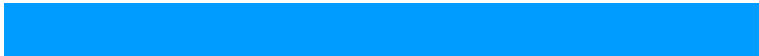
37.8242, 19.1714, 96.3146



36.9664, 19.1714, 0.5782



6.9258, 19.1714, 0.7740



7.2082, 19.1714, 100.5928

Rectangle

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



37.8242, 19.1714, 96.3146



47.9797, 19.1714, 15.1896



6.9258, 19.1714, 0.7740



4.3244, 19.1714, 27.8255

Sweetspot

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



37.8251, 19.1720, 96.3147



70.6412, 62.9040, 103.0262



27.2923, 23.6777, 97.7395



14.4678, 12.5056, 21.9012



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.



37.8251, 19.1720, 96.3147



33.4298, 15.3129, 95.8015



56.8761, 29.4088, 78.4286



18.0984, 17.9425, 22.7593



17.1775, 7.7658, 50.0282



1.7934, 0.8185, 4.8767

Inverse Universe

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



46.2548, 25.1603, 22.4973



43.7192, 22.4288, 14.4393



38.3887, 72.7292, 18.6362



18.2892, 18.0990, 20.1401



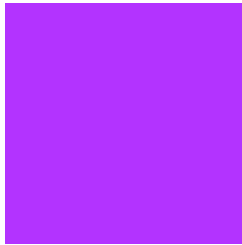
22.6941, 11.5669, 7.0396



2.2604, 1.1465, 0.9527

Previews

White Background



This preview shows how the XYZ color 37.8242, 19.1714, 96.3146 looks on a white background.

Color Contrast Check

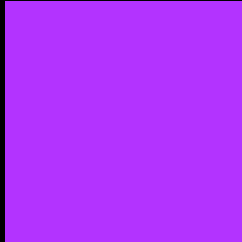
Large Text (above 18pt) WCAG AA ✓ Pass

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 37.8242, 19.1714, 96.3146 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

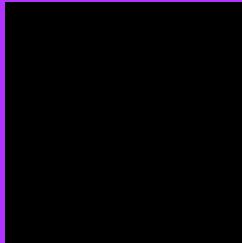
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 37.8242, 19.1714, 96.3146

Background



This preview shows how black text looks on a background with the XYZ color 37.8242, 19.1714, 96.3146.



This preview shows how white text looks on a background with the XYZ color 37.8242, 19.1714,

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

37.8242, 19.1714, 96.3146

Protanopia

23.1498, 19.4380, 90.5275

Deuteranopia

19.4734, 19.3216, 66.9931



Tritanopia

22.0325, 18.9546, 19.0204

Trichromacy



Original Color

37.8242, 19.1714, 96.3146



Protanomaly

23.3496, 15.8546, 92.2721



Deuteranomaly

20.7376, 15.3864, 76.7398



Tritanomaly

25.6931, 17.4989, 38.5827

Monochromacy



Original Color

37.8242, 19.1714, 96.3146



Achromatopsia

15.6958, 16.5132, 17.9829



Achromatomaly

20.7642, 15.3473, 37.4652

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.8242, 19.1714, 96.3146 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(179, 51, 255)` looks like.

```
.text, #text, p{  
    color:rgb(179, 51, 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(179, 51, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 51, 255) }
```

Border

The CSS property to change the border of an element to XYZ 37.8242, 19.1714, 96.3146 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(179, 51, 255) }
```


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

```
.border{ border-color:rgb(179, 51, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(179, 51, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 51, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 51, 255);  
box-shadow:4px 4px 4px 4px rgb(179, 51,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 37.8242, 19.1714, 96.3146 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 51, 255) }
```

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

```
.background{ background-color: rgb(179, 51,  
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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