

Converting Colors

XYZ(37.3953, 18.9511, 96.3016)

Have a look what the booklet for
XYZ(37.3953, 18.9511, 96.3016)
contains.

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Color

**XYZ(37.3653, 18.9348,
96.2931)**

Conversions

Conversions Part 1

Format	Color
Hex	B133FF
RGB	177, 51, 255
RGB Percent	69%, 20%, 100%
CMY	0.3059, 0.8000, 0.0000
CMYK	0.31, 0.80, 0.00, 0.00
HSL	277°, 100%, 60%
HSV	277°, 80%, 100%
XYZ	37.3653, 18.9348, 96.2931
YIQ	111.9300, 9.6120, 90.1560

Conversions

Conversions Part 2

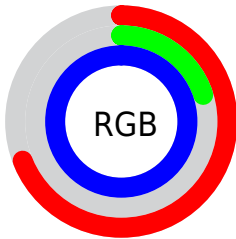
Format	Color
R_{YB}	177, 51, 255
Decimal	11613183
CIE _{Lab}	50.61, 79.16, -77.13
CIE _{LCh}	51, 110.524, 315.747
Yxy	18.9348, 0.2449, 0.1241
Android (android.graphics.Color)	4289803263 (0xFFB133FF)
YUV	111.9300, 70.5335, 57.0664
Hunter-Lab	43.5141, 77.1270, -100.7439

Details

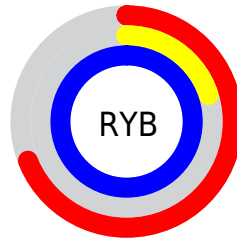
The XYZ color **37.3653, 18.9348, 96.2931** is a light color, and the websafe version is hex **9933FF**. The color can be described as light washed purple. A complement of this color would be **45.4108, 76.4261, 15.4906**, and the grayscale version is **15.1797, 15.9703, 17.3916**.

A 20% lighter version of the original color is **59.2150, 37.2074, 98.6685**, and **17.4142, 7.8131, 53.4136** is the 20% darker color. If you saturate the color by 10%, you get **34.3985, 16.1801, 95.9178**, and if you desaturate by 10%, it is **41.1024, 22.9921, 96.8793**.

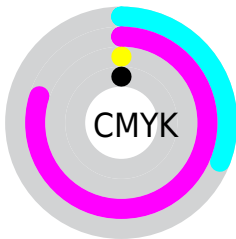
Distribution



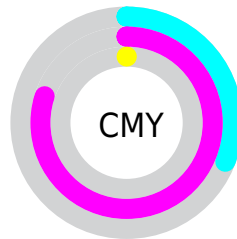
- Red (69%)
- Green (20%)
- Blue (100%)



- Red (69%)
- Yellow (20%)
- Blue (100%)



- Cyan (31%)
- Magenta (80%)
- Yellow (0%)
- Black (0%)





- Cyan (31%)
- Magenta (80%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.3653, 18.9348, 96.2931 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 37.3653, 18.9348, 96.2931 by changing the saturation by 10% instead.

 37.3653, 18.9348,
96.2931

 37.3653, 18.9348,
96.2931


326.2175,
246.0886, 569.3862

 25.6654, 11.6232,
72.6089


 70.4445, 41.6239,
158.0608


 16.7049, 6.4876,
53.1663


 92.5544, 57.7702,
196.9813


 10.1183, 3.1438,
37.5469


 118.8652, 77.6301,
241.8177

 5.5403, 1.2073,
25.3321

 149.7420,
101.5881, 292.9885

 2.6056, 0.0676,
16.1034

 185.5503,
130.0285, 350.9121

 0.9488, 0.0000,
9.4422

226.6554,

 0.0000, 0.0000,

163.3358, 416.0073

4.9300

273.4227,
201.8944, 488.6925

■ 0.0000, 0.0000,
2.1482

■ 0.0000, 0.0000,
0.6443

■ 37.3653, 18.9348,
96.2931

■ 37.3653, 18.9348,
96.2931

■ 34.3985, 16.1801,
95.9178

■ 41.1024, 22.9921,
96.8793

■ 32.0532, 14.4390,
95.7053

■ 45.6977, 28.5266,
97.7054

■ 32.0530, 14.4388,
95.7053

■ 51.2283, 35.6870,
98.7960

■ 57.7613, 44.6027,
100.1726

■ 65.3569, 55.3899,
101.8544

■ 74.0704, 68.1548,
103.8590

■ 83.9526, 82.9950,
106.2026

■ 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.



24.2471, 18.9348, 147.3532



37.3653, 18.9348, 96.2931



46.5911, 18.9348, 39.0185

Triad

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



37.3653, 18.9348, 96.2931



23.6144, 18.9348, 0.0000



4.4894, 18.9348, 41.3566

Complementary

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



37.3653, 18.9348, 96.2931



45.4108, 76.4261, 15.4906

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.



4.4340, 18.9348, 9.1599



37.3653, 18.9348, 96.2931



12.9253, 18.9348, 0.0000

Square

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



37.3653, 18.9348, 96.2931



36.7453, 18.9348, 0.5660



6.8377, 18.9348, 0.7084



7.0407, 18.9348, 99.3910

Rectangle

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



37.3653, 18.9348, 96.2931



47.6077, 18.9348, 15.2126



6.8377, 18.9348, 0.7084



4.2270, 18.9348, 27.1696

Sweetspot

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



37.3662, 18.9354, 96.2932



70.4465, 62.8037, 103.0171



27.2922, 23.6776, 97.7395



14.4209, 12.4814, 21.8990



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.



37.3662, 18.9354, 96.2932



32.9400, 15.0604, 95.7786



56.8761, 29.4087, 78.4285



18.0806, 17.9333, 22.7585



16.9200, 7.6331, 50.0161



1.7693, 0.8060, 4.8756

Inverse Universe

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



46.3864, 25.2129, 23.1904



43.8391, 22.4768, 15.0706



38.3886, 72.7292, 18.6361



18.2968, 18.1020, 20.1799



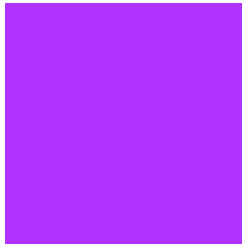
22.7555, 11.5915, 7.3627



2.2669, 1.1491, 0.9870

Previews

White Background



This preview shows how the XYZ color 37.3653, 18.9348, 96.2931 looks on a white background.

Color Contrast Check

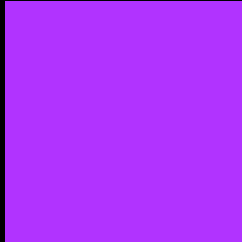
Large Text (above 18pt) WCAG AA ✓ Pass

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 37.3653, 18.9348, 96.2931 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

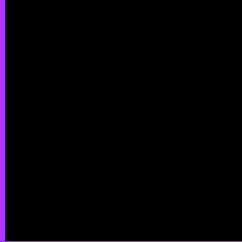
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 37.3653, 18.9348, 96.2931

Background



This preview shows how black text looks on a background with the XYZ color 37.3653, 18.9348, 96.2931.



This preview shows how white text looks on a background with the XYZ color 37.3653, 18.9348,

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

37.3653, 18.9348, 96.2931

Protanopia

22.7268, 19.0834, 88.8718

Deuteranopia

19.0932, 18.9700, 65.6060



Tritanopia

21.6518, 18.7584, 19.0026

Trichromacy



Original Color

37.3653, 18.9348, 96.2931



Protanomaly

23.0404, 15.5838, 91.4162



Deuteranomaly

20.3926, 15.2408, 75.2657



Tritanomaly

25.2835, 17.2878, 38.5635

Monochromacy



Original Color

37.3653, 18.9348, 96.2931



Achromatopsia

15.4009, 16.2029, 17.6450



Achromatomaly

20.5103, 15.2269, 36.9800

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.3653, 18.9348, 96.2931 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(177, 51, 255)` looks like.

```
.text, #text, p{  
    color:rgb(177, 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(177, 51, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 51, 255) }
```

Border

The CSS property to change the border of an element to XYZ 37.3653, 18.9348, 96.2931 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(177, 51, 255) }
```


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

```
.border{ border-color:rgb(177, 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(177, 51, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 51, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 51, 255);  
box-shadow:4px 4px 4px 4px rgb(177, 51,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 37.3653, 18.9348, 96.2931 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 51, 255) }
```

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

```
.background{ background-color: rgb(177, 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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