

Converting Colors

XYZ(37.4133, 18.6467, 96.2350)

Have a look what the booklet for
XYZ(37.4133, 18.6467, 96.2350)
contains.

XYZ(37.3871, 18.6390, 96.2349)	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(37.3871, 18.6390,
96.2349)**

Conversions

Conversions Part 1

Format	Color
Hex	B22EFF
RGB	178, 46, 255
RGB Percent	70%, 18%, 100%
CMY	0.3019, 0.8196, 0.0000
CMYK	0.30, 0.82, 0.00, 0.00
HSL	278°, 100%, 59%
HSV	278°, 82%, 100%
XYZ	37.3871, 18.6390, 96.2349
YIQ	109.2940, 11.5830, 92.9830

Conversions

Conversions Part 2

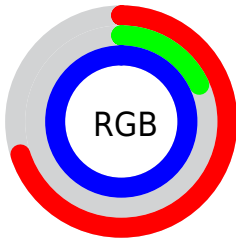
Format	Color
R _{YB}	178, 46, 255
Decimal	11677439
CIE _{Lab}	50.26, 80.74, -77.69
CIE _{LCh}	50, 112.047, 316.102
Yxy	18.6390, 0.2455, 0.1224
Android (android.graphics.Color)	4289867519 (0xFFB22EFF)
YUV	109.2940, 71.8331, 60.2552
Hunter-Lab	43.1729, 79.0258, -101.9398

Details

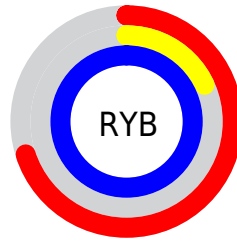
The XYZ color **37.3871, 18.6390, 96.2349** is a light color, and the websafe version is hex **9933FF**. The color can be described as light washed purple. A complement of this color would be **44.4215, 75.9282, 14.8994**, and the grayscale version is **14.4204, 15.1714, 16.5217**.

A 20% lighter version of the original color is **59.1152, 36.5080, 98.5388**, and **17.4142, 7.8131, 53.4136** is the 20% darker color. If you saturate the color by 10%, you get **34.5875, 16.1301, 95.8982**, and if you desaturate by 10%, it is **40.9264, 22.4058, 96.7754**.

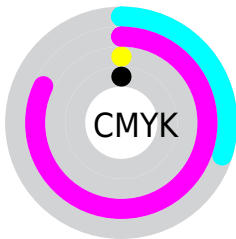
Distribution



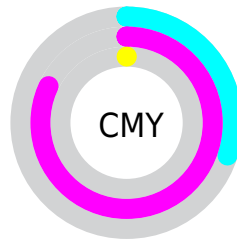
- Red (70%)
- Green (18%)
- Blue (100%)



- Red (70%)
- Yellow (18%)
- Blue (100%)



- Cyan (30%)
- Magenta (82%)
- Yellow (0%)
- Black (0%)





- Cyan (30%)
- Magenta (82%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 37.3871, 18.6390, 96.2349 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 37.3871, 18.6390, 96.2349 by changing the saturation by 10% instead.


 37.3871, 18.6390,
96.2349

 37.3871, 18.6390,
96.2349

326.3099,
244.4485, 569.1959


 25.6824, 11.4097,
72.5607


 70.4777, 41.1232,
157.9798

 16.7176, 6.3431,
53.1272


 92.5943, 57.1469,
196.8875


 10.1274, 3.0548,
37.5159


 118.9123, 76.8709,
241.7102

 5.5464, 1.1604,
25.3082

 149.7970,
100.6795, 292.8662

 2.6093, 0.0290,
16.0858

 185.6138,
128.9572, 350.7743

 0.9507, 0.0000,
9.4298

226.7279,

 0.0000, 0.0000,

162.0883, 415.8529

4.9220

273.5049,
200.4573, 488.5206

■ 0.0000, 0.0000,
2.1436

■ 0.0000, 0.0000,
0.6416

■ 37.3871, 18.6390,
96.2349

■ 37.3871, 18.6390,
96.2349

■ 34.5875, 16.1301,
95.8982

■ 40.9264, 22.4058,
96.7754

■ 32.7591, 14.8028,
95.7384

■ 45.2966, 27.6123,
97.5500

■ 50.5770, 34.4115,
98.5841

■ 56.8357, 42.9360,
99.8996

64.1340, 53.3041,
101.5162

72.5275, 65.6234,
103.4517

82.0677, 79.9931,
105.7225

92.8025, 96.5056,
108.3440

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.



24.1507, 18.6390, 148.7023



37.3871, 18.6390, 96.2349



46.6413, 18.6390, 38.2806

Triad

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



37.3871, 18.6390, 96.2349



23.2104, 18.6390, 0.0000



4.2856, 18.6390, 41.7698

Complementary

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



37.3871, 18.6390, 96.2349



44.4215, 75.9282, 14.8994

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.



4.2055, 18.6390, 9.0658



37.3871, 18.6390, 96.2349



12.5394, 18.6390, 0.0000

Square

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



37.3871, 18.6390, 96.2349



36.4615, 18.6390, 0.4139



6.5387, 18.6390, 0.6271



6.8349, 18.6390, 100.8940

Rectangle

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



37.3871, 18.6390, 96.2349



47.5861, 18.6390, 14.5857



6.5387, 18.6390, 0.6271



4.0196, 18.6390, 27.3273

Sweetspot

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



37.3880, 18.6396, 96.2350



69.8565, 61.6653, 102.8285



26.6529, 22.7530, 97.5947



14.3194, 12.2697, 21.8635



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.



37.3880, 18.6396, 96.2350



33.1962, 15.1103, 95.7747



56.5869, 28.9621, 77.9258



18.1059, 17.9463, 22.7597



17.2875, 7.8225, 50.0333



1.8037, 0.8237, 4.8772

Inverse Universe

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



45.7922, 24.6443, 21.0821



43.4608, 22.2369, 13.3513



38.0046, 72.5480, 17.8586



18.2860, 18.0977, 20.1233



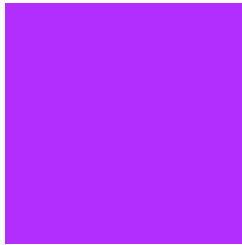
22.6688, 11.5568, 6.9064



2.2577, 1.1455, 0.9385

Previews

White Background



This preview shows how the XYZ color 37.3871, 18.6390, 96.2349 looks on a white background.

Color Contrast Check

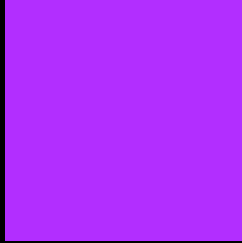
Large Text (above 18pt) WCAG AA ✓ Pass

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 37.3871, 18.6390, 96.2349 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

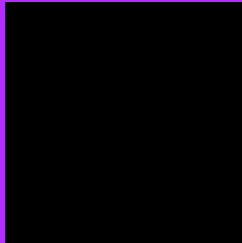
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 37.3871, 18.6390, 96.2349

Background



This preview shows how black text looks on a background with the XYZ color 37.3871, 18.6390, 96.2349.



This preview shows how white text looks on a background with the XYZ color 37.3871, 18.6390,

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

37.3871, 18.6390, 96.2349

Protanopia

22.5745, 19.0224, 88.0698

Deuteranopia

18.9666, 18.9194, 64.9395



Tritanopia

21.5750, 18.4159, 18.6372

Trichromacy



Original Color

37.3871, 18.6390, 96.2349



Protanomaly

22.8643, 15.3833, 90.5711



Deuteranomaly

20.2758, 14.9097, 75.2080



Tritanomaly

25.1575, 16.8804, 38.0087

Monochromacy



Original Color

37.3871, 18.6390, 96.2349



Achromatopsia

14.5356, 15.2926, 16.6537



Achromatomaly

19.6809, 14.3325, 35.9116

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.3871, 18.6390, 96.2349 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(178, 46, 255)` looks like.

```
.text, #text, p{  
    color:rgb(178, 46, 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(178, 46, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 46, 255) }
```

Border

The CSS property to change the border of an element to XYZ 37.3871, 18.6390, 96.2349 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(178, 46, 255) }
```


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

```
.border{ border-color:rgb(178, 46, 255) }
```

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

Here you see how a box with a 4 pixel rgb(178, 46, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 46, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 46, 255);  
box-shadow:4px 4px 4px 4px rgb(178, 46,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 37.3871, 18.6390, 96.2349 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 46, 255) }
```

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

```
.background{ background-color: rgb(178, 46,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor