

Converting Colors

XYZ(37.1556, 18.9330, 96.3039)

Have a look what the booklet for
XYZ(37.1556, 18.9330, 96.3039)
contains.

XYZ(37.2276, 18.9963, 96.3123)	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(37.2276, 18.9963,
96.3123)**

Conversions

Conversions Part 1

Format	Color
Hex	B035FF
RGB	176, 53, 255
RGB Percent	69%, 21%, 100%
CMY	0.3098, 0.7921, 0.0000
CMYK	0.31, 0.79, 0.00, 0.00
HSL	277°, 100%, 60%
HSV	277°, 79%, 100%
XYZ	37.2276, 18.9963, 96.3123
YIQ	112.8050, 8.4660, 88.8980

Conversions

Conversions Part 2

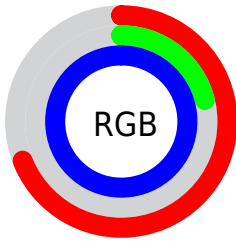
Format	Color
R _Y B	176, 53, 255
Decimal	11548159
CIE Lab	50.68, 78.40, -77.02
CIE LCh	51, 109.902, 315.511
Yxy	18.9963, 0.2441, 0.1245
Android (android.graphics.Color)	4289738239 (0xFFB035FF)
YUV	112.8050, 70.1021, 55.4220
Hunter-Lab	43.5847, 76.1912, -100.5080

Details

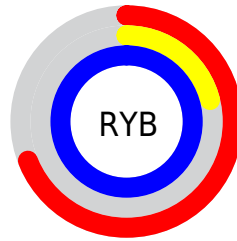
The XYZ color **37.2276, 18.9963, 96.3123** is a light color, and the websafe version is hex **9933FF**. The color can be described as light washed purple. A complement of this color would be **45.9181, 76.6825, 15.7495**, and the grayscale version is **15.4368, 16.2407, 17.6861**.

A 20% lighter version of the original color is **58.9924, 37.2592, 98.6902**, and **17.2805, 7.7442, 53.4073** is the 20% darker color. If you saturate the color by 10%, you get **34.1860, 16.1374, 95.9208**, and if you desaturate by 10%, it is **41.0541, 23.1765, 96.9175**.

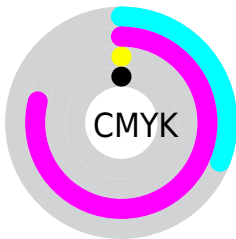
Distribution



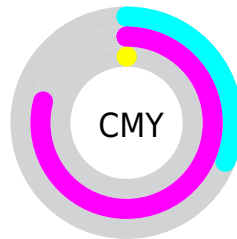
- Red (69%)
- Green (21%)
- Blue (100%)



- Red (69%)
- Yellow (21%)
- Blue (100%)



- Cyan (31%)
- Magenta (79%)
- Yellow (0%)
- Black (0%)




- Cyan (31%)
- Magenta (79%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 37.2276, 18.9963, 96.3123 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 37.2276, 18.9963, 96.3123 by changing the saturation by 10% instead.

 37.2276, 18.9963,
96.3123


 37.2276, 18.9963,
96.3123

325.6333,
246.4283, 569.4490


 25.5582, 11.6676,
72.6248


 70.2343, 41.7278,
158.0875

 16.6244, 6.5178,
53.1793


 92.3023, 57.8995,
197.0122


 10.0607, 3.1624,
37.5572


 118.5672, 77.7876,
241.8532

 5.5018, 1.2171,
25.3400

 149.3944,
101.7765, 293.0288

 2.5823, 0.0756,
16.1092

 185.1493,
130.2506, 350.9576

 0.9370, 0.0000,
9.4463

226.1972,

 0.0000, 0.0000,

163.5944, 416.0582

4.9326

272.9034,
202.1922, 488.7492

■ 0.0000, 0.0000,
2.1497

■ 0.0000, 0.0000,
0.6451

■ 37.2276, 18.9963,
96.3123

■ 37.2276, 18.9963,
96.3123

■ 34.1860, 16.1374,
95.9208

■ 41.0541, 23.1765,
96.9175

■ 31.7934, 14.3372,
95.6994

■ 45.7521, 28.8499,
97.7649

■ 31.6206, 14.2159,
95.6851

■ 51.3982, 36.1636,
98.8790

■ 58.0591, 45.2461,
100.2811

■ 65.7947, 56.2127,
101.9901

■ 74.6602, 69.1688,
104.0236

■ 84.7063, 84.2119,
106.3978

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.



24.1800, 18.9963, 146.6493



37.2276, 18.9963, 96.3123



46.4479, 18.9963, 39.3558

Triad

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



37.2276, 18.9963, 96.3123



23.7486, 18.9963, 0.0000



4.5483, 18.9963, 40.9475

Complementary

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



37.2276, 18.9963, 96.3123



45.9181, 76.6825, 15.7495

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.



4.5102, 18.9963, 9.1099



37.2276, 18.9963, 96.3123



13.0636, 18.9963, 0.0000

Square

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



37.2276, 18.9963, 96.3123



36.8056, 18.9963, 0.6279



6.9440, 18.9963, 0.7249



7.0832, 18.9963, 98.4156

Rectangle

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



37.2276, 18.9963, 96.3123



47.5128, 18.9963, 15.4938



6.9440, 18.9963, 0.7249



4.2906, 18.9963, 26.9198

Sweetspot

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



37.2285, 18.9969, 96.3124



70.2737, 62.7145, 103.0090



28.0160, 24.9722, 97.9513



14.3792, 12.4600, 21.8971



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.



37.2285, 18.9969, 96.3124



32.7404, 15.0021, 95.7778



57.4797, 29.7930, 81.1671



18.0647, 17.9251, 22.7577



16.6949, 7.5170, 50.0056



1.7482, 0.7951, 4.8746

Inverse Universe

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



46.6780, 25.4723, 24.2857



44.0603, 22.6133, 16.0875



38.4376, 72.7607, 18.3568



18.3035, 18.1047, 20.2153



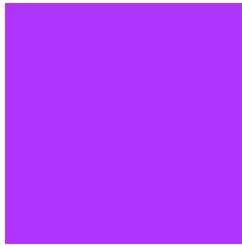
22.8117, 11.6140, 7.6590



2.2729, 1.1515, 1.0183

Previews

White Background



This preview shows how the XYZ color 37.2276, 18.9963, 96.3123 looks on a white background.

Color Contrast Check

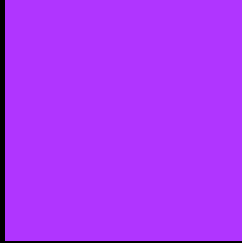
Large Text (above 18pt) WCAG AA ✓ Pass

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 37.2276, 18.9963, 96.3123 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

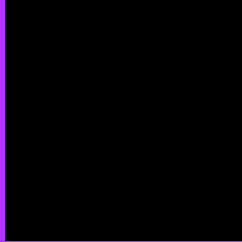
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 37.2276, 18.9963, 96.3123

Background



This preview shows how black text looks on a background with the XYZ color 37.2276, 18.9963, 96.3123.



This preview shows how white text looks on a background with the XYZ color 37.2276, 18.9963,

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

37.2276, 18.9963, 96.3123

Protanopia

22.8799, 19.1446, 89.6782

Deuteranopia

19.3453, 19.2703, 66.3183



Tritanopia

21.6284, 18.8970, 19.3372

Trichromacy



Original Color

37.2276, 18.9963, 96.3123



Protanomaly

23.1276, 15.7582, 91.4452



Deuteranomaly

20.6249, 15.4825, 76.0301



Tritanomaly

25.2454, 17.5118, 38.6088

Monochromacy



Original Color

37.2276, 18.9963, 96.3123



Achromatopsia

15.6958, 16.5132, 17.9829



Achromatomaly

20.6860, 15.4330, 37.4859

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.2276, 18.9963, 96.3123 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(176, 53, 255)` looks like.

```
.text, #text, p{  
    color:rgb(176, 53, 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(176, 53, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 53, 255) }
```

Border

The CSS property to change the border of an element to XYZ 37.2276, 18.9963, 96.3123 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(176, 53, 255) }
```


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

```
.border{ border-color:rgb(176, 53, 255) }
```

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

Here you see how a box with a 4 pixel rgb(176, 53, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 53, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 53, 255);  
box-shadow:4px 4px 4px 4px rgb(176, 53,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 37.2276, 18.9963, 96.3123 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 53, 255) }
```

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

```
.background{ background-color: rgb(176, 53,  
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