

Converting Colors

XYZ(37.4350, 18.3805, 96.1825)

Have a look what the booklet for
XYZ(37.4350, 18.3805, 96.1825)
contains.

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Color

**XYZ(37.4333, 18.3896,
96.1843)**

Conversions

Conversions Part 1

Format	Color
Hex	B329FF
RGB	179, 41, 255
RGB Percent	70%, 16%, 100%
CMY	0.2980, 0.8392, 0.0000
CMYK	0.30, 0.84, 0.00, 0.00
HSL	279°, 100%, 58%
HSV	279°, 84%, 100%
XYZ	37.4333, 18.3896, 96.1843
YIQ	106.6580, 13.5540, 95.8100

Conversions

Conversions Part 2

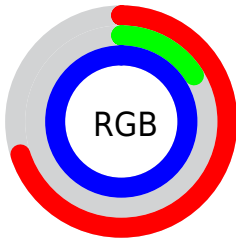
Format	Color
R _{YB}	179, 41, 255
Decimal	11741695
CIE _{Lab}	49.97, 82.17, -78.17
CIE _{LCh}	50, 113.411, 316.429
Yxy	18.3896, 0.2463, 0.1210
Android (android.graphics.Color)	4289931775 (0xFFB329FF)
YUV	106.6580, 73.1326, 63.4439
Hunter-Lab	42.8831, 80.7699, -102.9659

Details

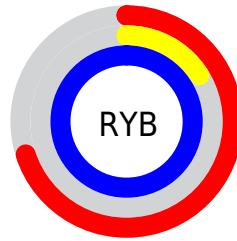
The XYZ color **37.4333, 18.3896, 96.1843** is a light color, and the websafe version is hex **9933FF**. The color can be described as light washed purple. A complement of this color would be **43.4965, 75.4621, 14.3713**, and the grayscale version is **13.6838, 14.3964, 15.6777**.

A 20% lighter version of the original color is **59.1392, 36.0533, 98.4497**, and **17.5493, 7.8828, 53.4199** is the 20% darker color. If you saturate the color by 10%, you get **34.7942, 16.1162, 95.8846**, and if you desaturate by 10%, it is **40.7814, 21.8744, 96.6805**.

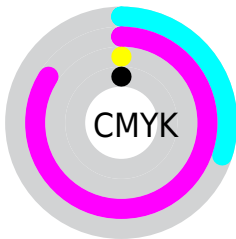
Distribution



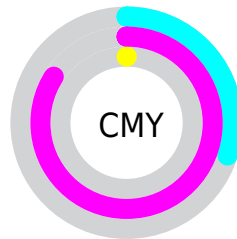
- Red (70%)
- Green (16%)
- Blue (100%)



- Red (70%)
- Yellow (16%)
- Blue (100%)



- Cyan (30%)
- Magenta (84%)
- Yellow (0%)
- Black (0%)





- Cyan (30%)
- Magenta (84%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 37.4333, 18.3896, 96.1843 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 37.4333, 18.3896, 96.1843 by changing the saturation by 10% instead.

 37.4333, 18.3896,
96.1843


 37.4333, 18.3896,
96.1843

326.5057,
243.0579, 569.0304

 25.7184, 11.2301,
72.5187


 70.5482, 40.7001,
157.9094


 16.7446, 6.2218,
53.0931


 92.6789, 56.6198,
196.8060

 10.1468, 2.9804,
37.4889


 119.0122, 76.2284,
241.6167

 5.5594, 1.1215,
25.2875

 149.9135, 99.9102,
292.7600

 2.6172, 0.0000,
16.0704

 185.7482,
128.0497, 350.6545

 0.9547, 0.0000,
9.4191

226.8815,

 0.0000, 0.0000,

161.0312, 415.7187

4.9150

273.6789,
199.2392, 488.3711

■ 0.0000, 0.0000,
2.1396

■ 0.0000, 0.0000,
0.6392

■ 37.4333, 18.3896,
96.1843

■ 37.4333, 18.3896,
96.1843

■ 34.7942, 16.1162,
95.8846

■ 40.7814, 21.8744,
96.6805

■ 33.4511, 15.1596,
95.7708

■ 44.9335, 26.7607,
97.4048

■ 49.9712, 33.2065,
98.3835

■ 55.9639, 41.3474,
99.6390

62.9739, 51.3040,
101.1913

71.0574, 63.1858,
103.0587

80.2665, 77.0933,
105.2577

90.6495, 93.1199,
107.8039

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.



24.0867, 18.3896, 149.9472



37.4333, 18.3896, 96.1843



46.7117, 18.3896, 37.6231

Triad

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



37.4333, 18.3896, 96.1843



22.8600, 18.3896, 0.0000



4.1139, 18.3896, 42.1919

Complementary

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



37.4333, 18.3896, 96.1843



43.4965, 75.4621, 14.3713

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.



4.0118, 18.3896, 9.0003



37.4333, 18.3896, 96.1843



12.2055, 18.3896, 0.0000

Square

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



37.4333, 18.3896, 96.1843



36.2207, 18.3896, 0.2781



6.2826, 18.3896, 0.5578



6.6631, 18.3896, 102.3267

Rectangle

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



37.4333, 18.3896, 96.1843



47.5883, 18.3896, 14.0368



6.2826, 18.3896, 0.5578



3.8446, 18.3896, 27.5075

Sweetspot

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



37.4342, 18.3902, 96.1844



70.1312, 61.8069, 102.8414



25.6174, 20.9970, 97.3104



14.3852, 12.3036, 21.8666



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.



37.4342, 18.3902, 96.1844



33.4511, 15.1596, 95.7708



55.8247, 28.3628, 74.8203



18.1301, 17.9588, 22.7608



17.6474, 8.0080, 50.0502



1.8372, 0.8410, 4.8788

Inverse Universe

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



45.2440, 24.1305, 19.1028



43.1093, 22.0077, 11.7738



37.7655, 72.4279, 17.7075



18.2758, 18.0936, 20.0696



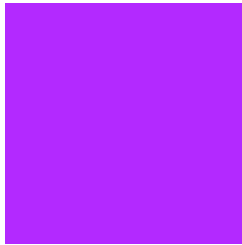
22.5897, 11.5252, 6.4898



2.2492, 1.1421, 0.8937

Previews

White Background



This preview shows how the XYZ color 37.4333, 18.3896, 96.1843 looks on a white background.

Color Contrast Check

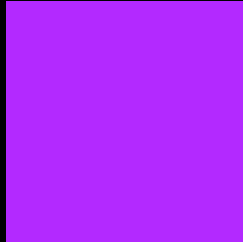
Large Text (above 18pt) WCAG AA ✓ Pass

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 37.4333, 18.3896, 96.1843 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

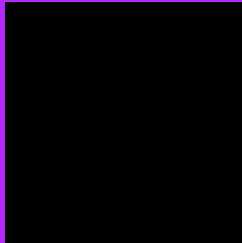
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 37.4333, 18.3896, 96.1843

Background



This preview shows how black text looks on a background with the XYZ color 37.4333, 18.3896, 96.1843.

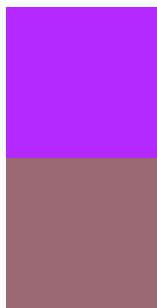


This preview shows how white text looks on a background with the XYZ color 37.4333, 18.3896,

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

37.4333, 18.3896, 96.1843

Tritanopia

21.5498, 18.2640, 18.0123

Trichromacy



Original Color

37.4333, 18.3896, 96.1843



Tritanomaly

25.1187, 16.6437, 37.4860

Monochromacy



Original Color

37.4333, 18.3896, 96.1843



Achromatopsia

13.9749, 14.7027, 16.0113



Achromatomaly

19.1991, 13.7463, 35.3596

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.4333, 18.3896, 96.1843 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, 41, 255)` looks like.

```
.text, #text, p{  
    color:rgb(179, 41, 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, 41, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 41, 255) }
```

Border

The CSS property to change the border of an element to XYZ 37.4333, 18.3896, 96.1843 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, 41, 255) }
```

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

```
.border{ border-color:rgb(179, 41, 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, 41, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 41, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 41, 255);  
box-shadow:4px 4px 4px 4px rgb(179, 41,  
255) }
```


Background

The CSS property to change the background color of an element to XYZ 37.4333, 18.3896, 96.1843 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 41, 255) }
```

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

```
.background{ background-color: rgb(179, 41,  
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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