

Converting Colors

XYZ(37.4836, 20.0934, 86.6968)

Have a look what the booklet for
XYZ(37.4836, 20.0934, 86.6968)
contains.

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Color

**XYZ(37.4836, 20.0934,
86.6968)**

Conversions

Conversions Part 1

Format	Color
Hex	B73FF3
RGB	183, 63, 243
RGB Percent	72%, 25%, 95%
CMY	0.2823, 0.7529, 0.0471
CMYK	0.25, 0.74, 0.00, 0.05
HSL	280°, 88%, 60%
HSV	280°, 74%, 95%
XYZ	37.4836, 20.0934, 86.6968
YIQ	119.4000, 13.7400, 81.4200

Conversions

Conversions Part 2

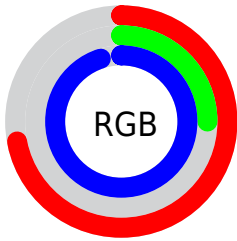
Format	Color
RYB	183, 63, 243
Decimal	12009459
CIELab	51.94, 73.81, -68.23
CIELCh	52, 100.515, 317.250
Yxy	20.0934, 0.2598, 0.1393
Android (android.graphics.Color)	4290199539 (0xFFB73FF3)
YUV	119.4000, 60.9348, 55.7772
Hunter-Lab	44.8257, 70.8183, -83.2941

Details

The XYZ color **37.4836, 20.0934, 86.6968** is a light color, and the websafe version is hex **CC33FF**. The color can be described as light washed purple. A complement of this color would be **41.1166, 68.6714, 15.7910**, and the grayscale version is **17.4721, 18.3821, 20.0181**.

A 20% lighter version of the original color is **61.9717, 40.1938, 99.0996**, and **17.1751, 7.8303, 47.0605** is the 20% darker color. If you saturate the color by 10%, you get **34.5510, 17.0055, 86.2557**, and if you desaturate by 10%, it is **41.1223, 24.4265, 87.3418**.

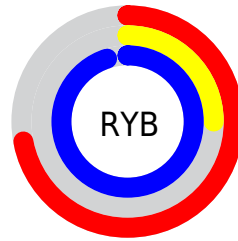
Distribution



Red (72%)

Green (25%)

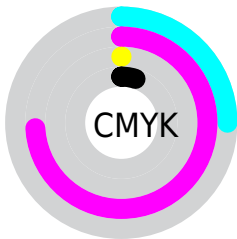
Blue (95%)



Red (72%)

Yellow (25%)

Blue (95%)

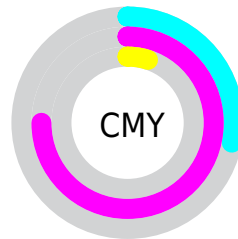


Cyan (25%)

Magenta (74%)

Yellow (0%)

Black (5%)



Cyan (28%)

Magenta (75%)

Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.4836, 20.0934, 86.6968 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 37.4836, 20.0934, 86.6968 by changing the saturation by 10% instead.

37.4836, 20.0934,
86.6968

37.4836, 20.0934,
86.6968

326.7188,
252.4203, 537.5164

25.7575, 12.4630,
64.6861

70.6250, 43.5737,
144.6366

16.7741, 7.0598,
46.7569

92.7710, 60.1924,
181.4028

10.1678, 3.4995,
32.4905

119.1210, 80.5759,
223.9246

5.5735, 1.3977,
21.4685

150.0404,
105.1087, 272.6205

2.6257, 0.2151,
13.2723

185.8945,
134.1751, 327.9091

0.9591, 0.0000,
7.4834

227.0487,

0.0000, 0.0000,

168.1596, 390.2089

3.6832

273.8684,
207.4465, 459.9385

■ 0.0000, 0.0000,
1.4532

■ 0.0000, 0.0000,
0.1827

■ 37.4836, 20.0934,
86.6968

■ 37.4836, 20.0934,
86.6968

■ 34.5510, 17.0055,
86.2557

■ 41.1223, 24.4265,
87.3418

■ 32.2350, 14.9902,
85.9888

■ 45.5352, 30.1421,
88.2124

■ 31.0784, 14.1527,
85.8881

■ 50.7851, 37.3614,
89.3292

■ 56.9265, 46.1915,
90.7099

64.0095, 56.7297,
92.3706

72.0798, 69.0652,
94.3263

81.1801, 83.2810,
96.5906

90.5788, 97.9113,
98.9191

93.1777, 99.2511,
99.0407

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



25.5432, 20.0934, 131.7774



37.4836, 20.0934, 86.6968



45.4151, 20.0934, 36.8101

Triad

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



37.4836, 20.0934, 86.6968



23.7752, 20.0934, 0.0000



5.8012, 20.0934, 43.1887

Complementary

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



37.4836, 20.0934, 86.6968



41.1166, 68.6714, 15.7910

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.



5.6225, 20.0934, 11.6541



37.4836, 20.0934, 86.6968



13.8402, 20.0934, 0.0000

Square

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



37.4836, 20.0934, 86.6968



35.7981, 20.0934, 1.1074



7.9916, 20.0934, 1.5927



8.6181, 20.0934, 94.7646

Rectangle

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



37.4836, 20.0934, 86.6968



46.0014, 20.0934, 15.5129



7.9916, 20.0934, 1.5927



5.4787, 20.0934, 29.7829

Sweetspot

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



37.4846, 20.0942, 86.6973



73.1423, 65.9052, 103.4737



25.3112, 21.6946, 87.6478



15.1598, 13.3571, 22.0291



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.



37.4846, 20.0942, 86.6973



37.1382, 17.6785, 96.0626



50.7504, 27.4144, 65.5681



16.6457, 16.4755, 20.8453



17.2057, 7.8442, 47.1453



1.6209, 0.7454, 4.1487

Inverse Universe

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



42.3153, 24.0403, 21.1494



44.1398, 23.0862, 15.1462



36.0768, 65.9487, 21.1846



16.7270, 16.5736, 18.3087



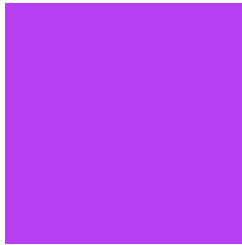
21.1570, 10.8062, 5.5352



1.9052, 0.9681, 0.7274

Previews

White Background



This preview shows how the XYZ color 37.4836, 20.0934, 86.6968 looks on a white background.

Color Contrast Check

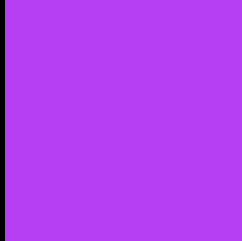
Large Text (above 18pt) WCAG AA ✓ Pass

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 37.4836, 20.0934, 86.6968 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

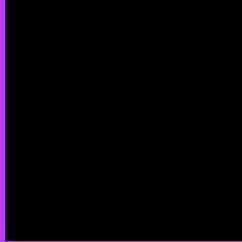
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 37.4836, 20.0934, 86.6968

Background



This preview shows how black text looks on a background with the XYZ color 37.4836, 20.0934, 86.6968.



This preview shows how white text looks on a background with the XYZ color 37.4836, 20.0934,

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

37.4836, 20.0934, 86.6968

Protanopia

24.4461, 20.5248, 95.6017

Deuteranopia

20.6457, 20.1956, 71.9172



Tritanopia

23.7838, 20.0082, 19.4380

Trichromacy



Original Color

37.4836, 20.0934, 86.6968



Protanomaly

23.8755, 16.9565, 91.6371



Deuteranomaly

21.4479, 16.6070, 76.9379



Tritanomaly

27.0156, 18.8447, 36.8638

Monochromacy



Original Color

37.4836, 20.0934, 86.6968



Achromatopsia

17.5343, 18.4475, 20.0893



Achromatomaly

22.3180, 17.3548, 37.2955

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.4836, 20.0934, 86.6968 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(183, 63, 243)` looks like.

```
.text, #text, p{  
    color:rgb(183, 63, 243)  
}
```

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(183, 63, 243) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 63, 243) }
```

Border

The CSS property to change the border of an element to XYZ 37.4836, 20.0934, 86.6968 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(183, 63, 243) }
```


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

```
.border{ border-color:rgb(183, 63, 243) }
```

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

Here you see how a box with a 4 pixel `rgb(183, 63, 243)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(183, 63, 243); -webkit-box-  
shadow:4px 4px 4px 4px rgb(183, 63, 243);  
box-shadow:4px 4px 4px 4px rgb(183, 63,  
243) }
```

Background

The CSS property to change the background color of an element to XYZ 37.4836, 20.0934, 86.6968 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 63, 243) }
```

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

```
.background{ background-color: rgb(183, 63,  
243) }
```

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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