

Converting Colors

XYZ(40.9452, 41.4847,
122.0973)

Have a look what the booklet for
XYZ(40.9452, 41.4847, 122.0973)
contains.

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Color

**XYZ(36.8836, 39.9761,
100.3799)**

Conversions

Conversions Part 1

Format	Color
Hex	50B0FF
RGB	80, 176, 255
RGB Percent	31%, 69%, 100%
CMY	0.6862, 0.3098, 0.0000
CMYK	0.69, 0.31, 0.00, 0.00
HSL	207°, 100%, 66%
HSV	207°, 69%, 100%
XYZ	36.8836, 39.9761, 100.3799
YIQ	156.3020, -82.5750, 4.2170

Conversions

Conversions Part 2

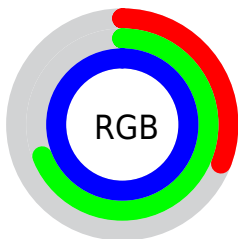
Format	Color
R _Y B	80, 142, 255
Decimal	5288191
CIE Lab	69.45, -3.63, -47.32
CIE LCh	69, 47.459, 265.613
Yxy	39.9761, 0.2081, 0.2255
Android (android.graphics.Color)	4283478271 (0xFF50B0FF)
YUV	156.3020, 48.6581, -66.9169
Hunter-Lab	63.2267, -6.5177, -49.8713

Details

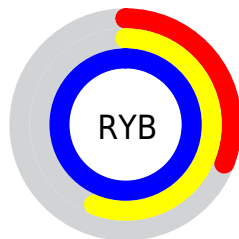
The XYZ color **36.8836, 39.9761, 100.3799** is a light color, and the websafe version is hex **0099FF**. The color can be described as light muted azure. A complement of this color would be **55.0882, 46.6389, 13.6904**, and the grayscale version is **31.5525, 33.1957, 36.1501**.

A 20% lighter version of the original color is **58.4800, 70.4828, 105.1301**, and **17.4007, 18.4925, 56.0784** is the 20% darker color. If you saturate the color by 10%, you get **32.9622, 34.7451, 99.5769**, and if you desaturate by 10%, it is **41.8155, 46.0134, 101.2853**.

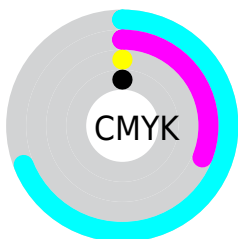
Distribution



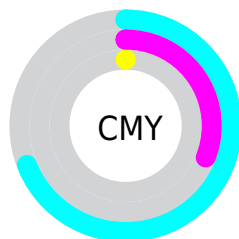
- Red (31%)
- Green (69%)
- Blue (100%)



- Red (31%)
- Yellow (56%)
- Blue (100%)



- Cyan (69%)
- Magenta (31%)
- Yellow (0%)
- Black (0%)



- Cyan (69%)
- Magenta (31%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 36.8836, 39.9761, 100.3799 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 36.8836, 39.9761, 100.3799 by changing the saturation by 10% instead.

■ 36.8836, 39.9761,
100.3799

■ 36.8836, 39.9761,
100.3799

324.1706,
346.0228, 582.6671

■ 25.2906, 27.5199,
75.9992

■ 69.7087, 75.1271,
163.7356

■ 16.4236, 17.9641,
55.9252

■ 91.6716, 98.5907,
203.5476

■ 9.9171, 10.9242,
39.7394

■ 117.8218,
126.4923, 249.3406

■ 5.4059, 6.0159,
27.0231

■ 148.5247,
159.2162, 301.5329

■ 2.5245, 2.8547,
17.3580

184.1457,
197.1468, 360.5432

■ 0.9076, 1.0564,
10.3254

225.0501,

■ 0.0000, 0.0000,

240.6685, 426.7899

5.5068

271.6033,
290.1657, 500.6917

■ 0.0000, 0.0000,
2.4837

■ 0.0000, 0.0000,
0.8315

■ 36.8836, 39.9761,
100.3799

■ 36.8836, 39.9761,
100.3799

■ 32.9622, 34.7451,
99.5769

■ 41.8155, 46.0134,
101.2853

■ 29.9447, 30.2567,
98.8696

■ 47.8412, 52.9049,
102.2979

■ 27.6877, 26.4302,
98.2500

■ 55.0390, 60.6982,
103.4228

■ 27.4107, 25.9414,
98.1702

■ 63.4785, 69.4353,
104.6644

■ 73.2234, 79.1554,
106.0270

■ 84.3326, 89.8947,
107.5144

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.



30.2899, 39.9761, 88.2849



36.8836, 39.9761, 100.3799



44.7055, 39.9761, 93.5417

Triad

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



36.8836, 39.9761, 100.3799



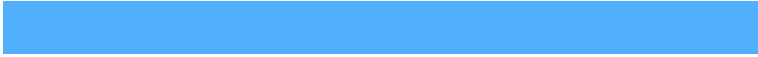
52.8386, 39.9761, 27.7582



27.1186, 39.9761, 23.8304

Complementary

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



36.8836, 39.9761, 100.3799



55.0882, 46.6389, 13.6904

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.



31.9940, 39.9761, 15.5479



36.8836, 39.9761, 100.3799



46.9095, 39.9761, 17.2247

Square

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



36.8836, 39.9761, 100.3799



54.6023, 39.9761, 46.8248



39.1307, 39.9761, 13.6152



25.1526, 39.9761, 40.3881

Rectangle

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



36.8836, 39.9761, 100.3799



49.4882, 39.9761, 80.0786



39.1307, 39.9761, 13.6152



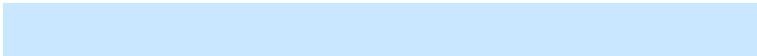
28.4369, 39.9761, 20.2356

Sweetspot

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



36.8849, 39.9774, 100.3801



70.7855, 76.7539, 105.6919



45.3061, 75.7207, 44.9178



14.5654, 15.8467, 22.5410



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.



36.8849, 39.9774, 100.3801



31.8477, 33.1495, 99.3277



24.9117, 16.0310, 96.3890



17.8290, 19.0296, 22.9833



14.4740, 13.8576, 51.3465



1.5185, 1.5676, 5.0358

Inverse Universe

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



51.9462, 30.1337, 44.1538



48.6111, 25.7654, 35.9458



75.7204, 87.9034, 20.5678



18.4263, 18.1538, 20.8622



24.0940, 12.1269, 14.4114



2.4011, 1.2028, 1.6934

Previews

White Background



This preview shows how the XYZ color 36.8836, 39.9761, 100.3799 looks on a white background.

Color Contrast Check

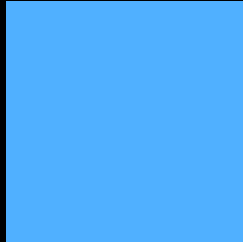
Large Text (above 18pt) WCAG AA × Fail

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 36.8836, 39.9761, 100.3799 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 ✓ Pass

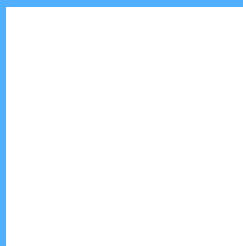
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 36.8836, 39.9761, 100.3799

Background



This preview shows how black text looks on a background with the XYZ color 36.8836, 39.9761, 100.3799.



This preview shows how white text looks on a background with the XYZ color 36.8836, 39.9761,

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

36.8836, 39.9761, 100.3799

Protanopia

41.4261, 39.6770, 92.6638

Deuteranopia

40.8050, 39.7373, 100.1271



Tritanopia

29.1744, 39.8743, 62.0360

Trichromacy



Original Color

36.8836, 39.9761, 100.3799

Protanomaly

39.0814, 39.5109, 95.1891

Deuteranomaly

39.0433, 39.6608, 100.2052

Tritanomaly

31.4100, 39.5171, 74.3787

Monochromacy



Original Color

36.8836, 39.9761, 100.3799

Achromatopsia

31.5995, 33.2452, 36.2040

Achromatomaly

31.5137, 34.5894, 54.8846

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.8836, 39.9761, 100.3799 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(80, 176, 255)` looks like.

```
.text, #text, p{  
    color:rgb(80, 176, 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(80, 176, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 176, 255) }
```

Border

The CSS property to change the border of an element to XYZ 36.8836, 39.9761, 100.3799 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(80, 176, 255) }
```


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

```
.border{ border-color:rgb(80, 176, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(80, 176, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 176, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 176, 255);  
box-shadow:4px 4px 4px 4px rgb(80, 176,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 36.8836, 39.9761, 100.3799 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 176, 255) }
```

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

```
.background{ background-color: rgb(80, 176,  
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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