

Converting Colors

XYZ(11.3829, 27.5361, 95.4764)

Have a look what the booklet for
XYZ(11.3829, 27.5361, 95.4764)
contains.

XYZ(33.1757, 38.7429, 96.1721)	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(33.1757, 38.7429,
96.1721)**

Conversions

Conversions Part 1

Format	Color
Hex	00B2FA
RGB	0, 178, 250
RGB Percent	0%, 70%, 98%
CMY	0.9997, 0.3020, 0.0196
CMYK	1.00, 0.29, 0.00, 0.02
HSL	197°, 100%, 49%
HSV	197°, 100%, 98%
XYZ	33.1757, 38.7429, 96.1721
YIQ	132.9860, -129.2000, -15.3440

Conversions

Conversions Part 2

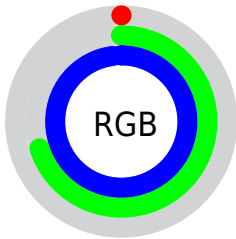
Format	Color
R _{YB}	0, 104, 250
Decimal	45818
CIE _{Lab}	68.56, -12.46, -46.09
CIE _{LCh}	69, 47.746, 254.875
Yxy	38.7429, 0.1974, 0.2305
Android (android.graphics.Color)	4278235898 (0xFF00B2FA)
YUV	132.9860, 57.6879, -116.6287
Hunter-Lab	62.2438, -13.7868, -48.0376

Details

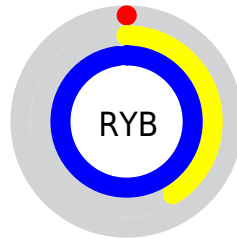
The XYZ color **33.1757, 38.7429, 96.1721** is a dark color, and the websafe version is hex **0099CC**. The color can be described as middle saturated azure. A complement of this color would be **41.7471, 24.9683, 2.6211**, and the grayscale version is **22.1280, 23.2804, 25.3523**.

A 20% lighter version of the original color is **54.1549, 69.5104, 105.1703**, and **17.0865, 18.7720, 53.1749** is the 20% darker color. If you saturate the color by 10%, you get **33.1721, 38.7355, 96.1717**, and if you desaturate by 10%, it is **35.0498, 41.8930, 96.6822**.

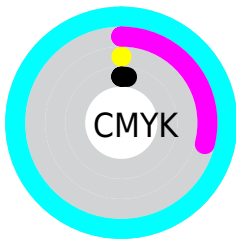
Distribution



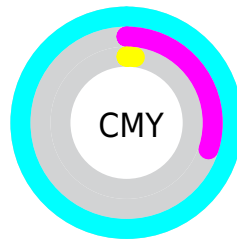
- Red (0%)
- Green (70%)
- Blue (98%)



- Red (0%)
- Yellow (41%)
- Blue (98%)



- Cyan (100%)
- Magenta (29%)
- Yellow (0%)
- Black (2%)





- Cyan (100%)
- Magenta (30%)
- Yellow (2%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.1757, 38.7429, 96.1721 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 33.1757, 38.7429, 96.1721 by changing the saturation by 10% instead.


 33.1757, 38.7429,
96.1721


 33.1757, 38.7429,
96.1721


308.0917,
340.7962, 568.9905

 22.4210, 26.5598,
72.5086

 64.0026, 73.2454,
157.8924


 14.2849, 17.2429,
53.0849


 84.8054, 96.3336,
196.7863


 8.4021, 10.4078,
37.4824


 109.6884,
123.8255, 241.5941

 4.4073, 5.6702,
25.2825

 139.0167,
156.1057, 292.7343

 1.9350, 2.6456,
16.0667

 173.1559,
193.5584, 350.6256

 0.5971, 0.9496,
9.4165

212.4712,

 0.0000, 0.0000,

236.5682, 415.6863

4.9133

257.3280,
285.5193, 488.3351

■ 0.0000, 0.0000,
2.1386

■ 0.0000, 0.0000,
0.6386

■ 33.1757, 38.7429,
96.1721

■ 33.1757, 38.7429,
96.1721

■ 33.1721, 38.7355,
96.1717

■ 35.0498, 41.8930,
96.6822

■ 37.5133, 45.4599,
97.2408

■ 40.7263, 49.5281,
97.8567

■ 44.7858, 54.1492,
98.5347

■ 49.7730, 59.3667,
99.2789

■ 55.7594, 65.2190,
100.0930

■ 62.8089, 71.7404,
100.9802

■ 70.9798, 78.9626,
101.9436

■ 80.3262, 86.9148,
102.9859

Harmonies

Analogous

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



27.4917, 38.7429, 78.7014



33.1757, 38.7429, 96.1721



40.6650, 38.7429, 96.2534

Triad

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



33.1757, 38.7429, 96.1721



52.6551, 38.7429, 32.4150



27.5286, 38.7429, 19.1040

Complementary

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



33.1757, 38.7429, 96.1721



41.7471, 24.9683, 2.6211

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.



33.2327, 38.7429, 13.4699



33.1757, 38.7429, 96.1721



48.0600, 38.7429, 19.1797

Square

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



33.1757, 38.7429, 96.1721



52.6343, 38.7429, 53.9485



40.7303, 38.7429, 13.4919



24.5466, 38.7429, 32.2684

Rectangle

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



33.1757, 38.7429, 96.1721



45.7333, 38.7429, 86.1370



40.7303, 38.7429, 13.4919



29.1541, 38.7429, 16.5009

Sweetspot

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



33.1771, 38.7442, 96.1731



65.6532, 75.0006, 105.6240



35.3205, 68.8258, 17.3650



13.3571, 15.4186, 22.5220



0.0000, 0.0000, 0.0000



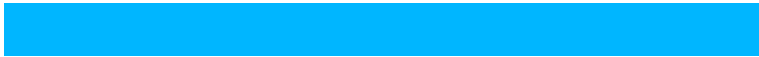
20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



33.1771, 38.7442, 96.1731



34.6839, 40.4878, 100.5946



18.5860, 9.5618, 91.3094



17.3187, 18.7141, 22.0847



17.7249, 20.8053, 51.0552



1.7324, 2.1085, 4.7589

Inverse Universe

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



47.4616, 23.5402, 44.1626



49.6360, 24.6184, 46.1429



59.1312, 59.7364, 8.4158



17.7674, 17.4343, 20.6308



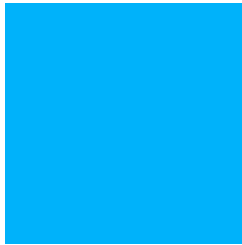
25.2387, 12.5112, 23.7633



2.3834, 1.1771, 2.4423

Previews

White Background



This preview shows how the XYZ color 33.1757, 38.7429, 96.1721 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 33.1757, 38.7429, 96.1721 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

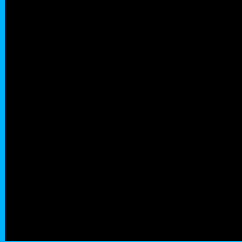
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

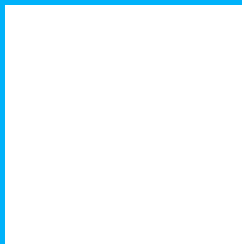
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 33.1757, 38.7429, 96.1721

Background



This preview shows how black text looks on a background with the XYZ color 33.1757, 38.7429, 96.1721.



This preview shows how white text looks on a background with the XYZ color 33.1757, 38.7429,

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

33.1757, 38.7429, 96.1721

Protanopia

39.8634, 38.4747, 86.2143

Deuteranopia

39.6780, 38.6494, 98.2973



Tritanopia

27.5420, 38.7751, 59.4588

Trichromacy



Original Color

33.1757, 38.7429, 96.1721

Protanomaly

34.4314, 36.9604, 89.3237

Deuteranomaly

35.1699, 37.4400, 97.4685

Tritanomaly

29.2523, 38.4657, 71.5285

Monochromacy



Original Color

33.1757, 38.7429, 96.1721

Achromatopsia

22.2940, 23.4551, 25.5426

Achromatomaly

22.3302, 26.5608, 45.0241

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.1757, 38.7429, 96.1721 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(0, 178, 250)` looks like.

```
.text, #text, p{  
    color:rgb(0, 178, 250)  
}
```

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(0, 178, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 178, 250) }
```

Border

The CSS property to change the border of an element to XYZ 33.1757, 38.7429, 96.1721 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(0, 178, 250) }
```


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

```
.border{ border-color:rgb(0, 178, 250) }
```

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

Here you see how a box with a 4 pixel rgb(0, 178, 250) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 178, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 178, 250);  
box-shadow:4px 4px 4px 4px rgb(0, 178,  
250) }
```

Background

The CSS property to change the background color of an element to XYZ 33.1757, 38.7429, 96.1721 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 178, 250) }
```

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

```
.background{ background-color: rgb(0, 178,  
250) }
```

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