

Converting Colors

XYZ(34.5835, 38.7860,
100.2714)

Have a look what the booklet for
XYZ(34.5835, 38.7860, 100.2714)
contains.

XYZ(34.5716, 38.7843, 100.2717)	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(34.5716, 38.7843,
100.2717)**

Conversions

Conversions Part 1

Format	Color
Hex	2BB0FF
RGB	43, 176, 255
RGB Percent	17%, 69%, 100%
CMY	0.8313, 0.3098, 0.0000
CMYK	0.83, 0.31, 0.00, 0.00
HSL	202°, 100%, 58%
HSV	202°, 83%, 100%
XYZ	34.5716, 38.7843, 100.2717
YIQ	145.2390, -104.6270, -3.6270

Conversions

Conversions Part 2

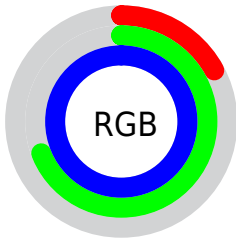
Format	Color
R _{YB}	43, 125, 255
Decimal	2863359
CIE _{Lab}	68.59, -7.72, -48.73
CIE _{LCh}	69, 49.337, 260.999
Y _{xy}	38.7843, 0.1991, 0.2234
Android (android.graphics.Color)	4281053439 (0xFF2BB0FF)
Y _{UV}	145.2390, 54.1122, -89.6636
Hunter-Lab	62.2770, -9.8948, -51.8684




Details

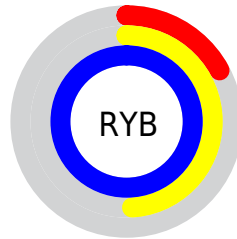
The XYZ color **34.5716, 38.7843, 100.2717** is a light color, and the websafe version is hex **0099FF**. The color can be described as light washed azure. A complement of this color would be **48.6385, 35.3586, 6.5490**, and the grayscale version is **26.8313, 28.2286, 30.7409**.



A 20% lighter version of the original color is **54.9381, 68.6569, 104.9643**, and **17.4007, 18.4925, 56.0784** is the 20% darker color. If you saturate the color by 10%, you get **32.0177, 34.7982, 99.6370**, and if you desaturate by 10%, it is **37.9253, 43.3774, 100.9815**.

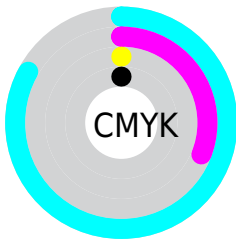
Distribution







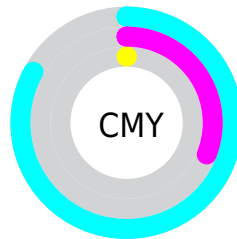
-  Red (17%)
-  Green (69%)
-  Blue (100%)






-  Red (17%)
-  Yellow (49%)
-  Blue (100%)



-  Cyan (83%)
-  Magenta (31%)
-  Yellow (0%)
-  Black (0%)



-  Cyan (83%)
-  Magenta (31%)
-  Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 34.5716, 38.7843, 100.2717 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 34.5716, 38.7843, 100.2717 by changing the saturation by 10% instead.

■ 34.5716, 38.7843,
100.2717

■ 34.5716, 38.7843,
100.2717

314.2146,
340.9726, 582.3175

■ 23.4980, 26.5920,
75.9093

■ 66.1600, 73.3087,
163.5856

■ 15.0844, 17.2670,
55.8519

■ 87.4055, 96.4095,
203.3743

■ 8.9653, 10.4251,
39.6810

■ 112.7724,
123.9153, 249.1421

■ 4.7755, 5.6817,
26.9780

■ 142.6260,
156.2105, 301.3076

■ 2.1496, 2.6525,
17.3244

■ 177.3316,
193.6794, 360.2894

■ 0.7159, 0.9531,
10.3017

217.2547,

■ 0.0000, 0.0000,

236.7064, 426.5059

5.4912

262.7606,
285.6760, 500.3758

■ 0.0000, 0.0000,
2.4745

■ 0.0000, 0.0000,
0.8266

■ 34.5716, 38.7843,
100.2717

■ 34.5716, 38.7843,
100.2717

■ 32.0177, 34.7982,
99.6370

■ 37.9253, 43.3774,
100.9815

■ 30.6154, 32.3508,
99.2385

■ 42.1853, 48.6348,
101.7718

■ 47.4442, 54.6082,
102.6476

■ 53.7812, 61.3422,
103.6134

■ 61.2669, 68.8767,
104.6732

■ 69.9655, 77.2483,
105.8306

■ 79.9363, 86.4908,
107.0890

■ 91.2345, 96.6359,
108.4518

■ 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.



28.2256, 38.7843, 85.0549



34.5716, 38.7843, 100.2717



42.4898, 38.7843, 96.2015

Triad

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



34.5716, 38.7843, 100.2717



52.6718, 38.7843, 28.6587



26.4146, 38.7843, 20.5941

Complementary

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



34.5716, 38.7843, 100.2717



48.6385, 35.3586, 6.5490

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.



31.7569, 38.7843, 13.5261



34.5716, 38.7843, 100.2717



47.1048, 38.7843, 16.9136

Square

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



34.5716, 38.7843, 100.2717



53.7055, 38.7843, 49.2948



39.2541, 38.7843, 12.4695



23.9713, 38.7843, 35.8738

Rectangle

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



34.5716, 38.7843, 100.2717



47.5772, 38.7843, 83.5314



39.2541, 38.7843, 12.4695



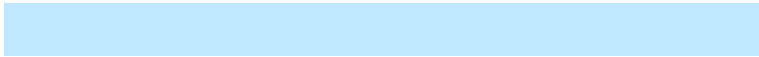
27.8922, 38.7843, 17.4411

Sweetspot

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



34.5729, 38.7855, 100.2719



68.2425, 75.6163, 105.6064



40.1929, 73.4084, 30.0589



13.9398, 15.5467, 22.5161



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.



34.5729, 38.7855, 100.2719



30.6154, 32.3508, 99.2385



21.3187, 12.2770, 95.8538



17.9526, 19.2769, 23.0246



16.1452, 17.1999, 51.9036



1.6768, 1.8844, 5.0886

Inverse Universe

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



49.9414, 26.1240, 43.4856



47.5824, 23.7970, 35.3288



69.0735, 76.2286, 13.3607



18.4887, 18.1788, 21.1908



24.9375, 12.4643, 18.8533



2.4810, 1.2348, 2.1144

Previews

White Background



This preview shows how the XYZ color 34.5716, 38.7843, 100.2717 looks on a white background.

Color Contrast Check

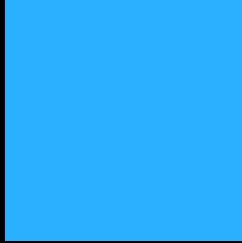
Large Text (above 18pt) WCAG AA × Fail

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 34.5716, 38.7843, 100.2717 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

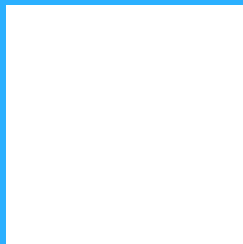
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 34.5716, 38.7843, 100.2717

Background



This preview shows how black text looks on a background with the XYZ color 34.5716, 38.7843, 100.2717.

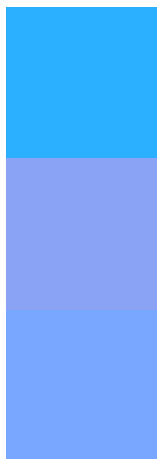


This preview shows how white text looks on a background with the XYZ color 34.5716, 38.7843,

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

34.5716, 38.7843, 100.2717

Protanopia

40.0738, 38.2150, 90.8521

Deuteranopia

39.5714, 38.5574, 99.9644



Tritanopia

27.6578, 38.8214, 60.0684

Trichromacy



Original Color

34.5716, 38.7843, 100.2717

Protanomaly

36.6548, 37.7256, 94.1568

Deuteranomaly

36.9389, 38.2966, 100.0528

Tritanomaly

29.7278, 38.6805, 72.9171

Monochromacy



Original Color

34.5716, 38.7843, 100.2717

Achromatopsia

26.9133, 28.3149, 30.8349

Achromatomaly

26.8298, 30.4679, 50.3657

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.5716, 38.7843, 100.2717 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(43, 176, 255)` looks like.

```
.text, #text, p{  
    color:rgb(43, 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(43, 176, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(43, 176, 255) }
```

Border

The CSS property to change the border of an element to XYZ 34.5716, 38.7843, 100.2717 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(43, 176, 255) }
```


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

```
.border{ border-color:rgb(43, 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(43, 176, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(43, 176, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(43, 176, 255);  
box-shadow:4px 4px 4px 4px rgb(43, 176,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 34.5716, 38.7843, 100.2717 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(43, 176, 255) }
```

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

```
.background{ background-color: rgb(43, 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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