

Converting Colors

XYZ(34.3174, 38.7921,
100.5954)

Have a look what the booklet for
XYZ(34.3174, 38.7921, 100.5954)
contains.

XYZ(34.3678, 38.9714, 100.3186)	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(34.3678, 38.9714,
100.3186)**

Conversions

Conversions Part 1

Format	Color
Hex	20B1FF
RGB	32, 177, 255
RGB Percent	13%, 69%, 100%
CMY	0.8744, 0.3059, 0.0000
CMYK	0.87, 0.31, 0.00, 0.00
HSL	201°, 100%, 56%
HSV	201°, 87%, 100%
XYZ	34.3678, 38.9714, 100.3186
YIQ	142.5370, -111.4580, -6.4820

Conversions

Conversions Part 2

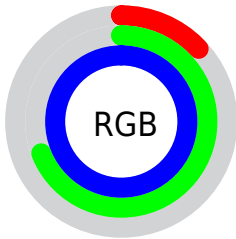
Format	Color
R _Y B	32, 120, 255
Decimal	2142719
CIE Lab	68.73, -9.01, -48.53
CIE LCh	69, 49.354, 259.485
Yxy	38.9714, 0.1979, 0.2244
Android (android.graphics.Color)	4280332799 (0xFF20B1FF)
YUV	142.5370, 55.4443, -96.9409
Hunter-Lab	62.4271, -10.9783, -51.5784

Details

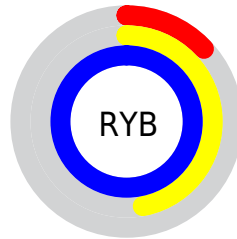
The XYZ color **34.3678, 38.9714, 100.3186** is a light color, and the websafe version is hex **3399CC**. The color can be described as light washed azure. A complement of this color would be **47.0800, 32.5222, 5.1646**, and the grayscale version is **25.7464, 27.0872, 29.4980**.

A 20% lighter version of the original color is **54.6523, 68.9263, 105.0314**, and **17.5267, 18.7444, 56.1204** is the 20% darker color. If you saturate the color by 10%, you get **32.1495, 35.2976, 99.7264**, and if you desaturate by 10%, it is **37.3102, 43.1905, 100.9779**.

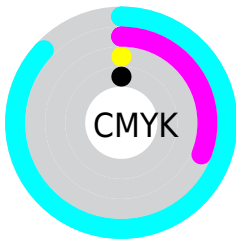
Distribution



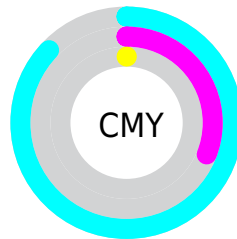
- Red (13%)
- Green (69%)
- Blue (100%)



- Red (13%)
- Yellow (47%)
- Blue (100%)



- Cyan (87%)
- Magenta (31%)
- Yellow (0%)
- Black (0%)



- Cyan (87%)
- Magenta (31%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 34.3678, 38.9714, 100.3186 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 34.3678, 38.9714, 100.3186 by changing the saturation by 10% instead.

■ 34.3678, 38.9714,
100.3186

■ 34.3678, 38.9714,
100.3186

313.3261,
341.7689, 582.4691

■ 23.3405, 26.7375,
75.9483

■ 65.8457, 73.5946,
163.6506

■ 14.9672, 17.3762,
55.8837

■ 87.0271, 96.7527,
203.4494

■ 8.8826, 10.5030,
39.7063

■ 112.3238,
124.3210, 249.2281

■ 4.7211, 5.7337,
26.9976

■ 142.1013,
156.6838, 301.4053

■ 2.1177, 2.6839,
17.3390

■ 176.7250,
194.2257, 360.3994

■ 0.6988, 0.9690,
10.3120

216.5601,

■ 0.0000, 0.0000,

237.3308, 426.6290

5.4980

261.9720,
286.3838, 500.5127

■ 0.0000, 0.0000,
2.4785

■ 0.0000, 0.0000,
0.8287

■ 34.3678, 38.9714,
100.3186

■ 34.3678, 38.9714,
100.3186

■ 32.1495, 35.2976,
99.7264

■ 37.3102, 43.1905,
100.9779

■ 31.6495, 34.4189,
99.5832

■ 41.0997, 48.0200,
101.7103

■ 45.8354, 53.5144,
102.5213

■ 51.6008, 59.7199,
103.4152

■ 58.4693, 66.6772,
104.3961

■ 66.5074, 74.4233,
105.4676

■ 75.7759, 82.9926,
106.6331

■ 86.3312, 92.4167,
107.8958

■ 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.



28.1170, 38.9714, 84.2451



34.3678, 38.9714, 100.3186



42.2794, 38.9714, 97.2606

Triad

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



34.3678, 38.9714, 100.3186



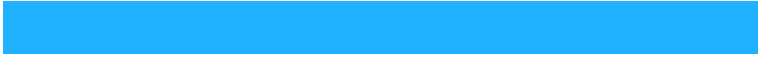
53.0779, 38.9714, 29.6435



26.7575, 38.9714, 20.1775

Complementary

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



34.3678, 38.9714, 100.3186



47.0800, 32.5222, 5.1646

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.



32.2545, 38.9714, 13.4314



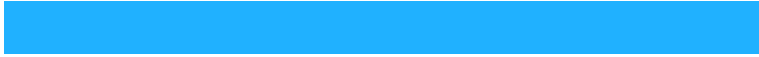
34.3678, 38.9714, 100.3186



47.6782, 38.9714, 17.4163

Square

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



34.3678, 38.9714, 100.3186



53.8543, 38.9714, 50.7752



39.8497, 38.9714, 12.6389



24.1514, 38.9714, 35.0589

Rectangle

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



34.3678, 38.9714, 100.3186



47.4340, 38.9714, 85.0321



39.8497, 38.9714, 12.6389



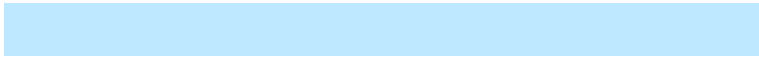
28.2893, 38.9714, 17.1434

Sweetspot

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



34.3691, 38.9726, 100.3188



67.7643, 75.6053, 105.6295



38.9765, 72.8755, 25.7442



13.8661, 15.5800, 22.5264



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.



34.3691, 38.9726, 100.3188



31.6495, 34.4189, 99.5832



20.7865, 11.8074, 95.7912



17.9887, 19.3491, 23.0366



16.6829, 18.2754, 52.0828



1.7269, 1.9845, 5.1053

Inverse Universe

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



49.6933, 25.4690, 43.8929



48.1044, 24.0058, 38.0773



66.5306, 71.4234, 11.6482



18.5070, 18.1861, 21.2868



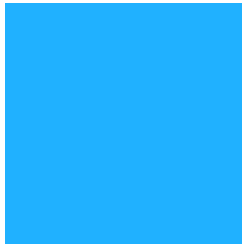
25.2089, 12.5729, 20.2826



2.5063, 1.2449, 2.2474

Previews

White Background



This preview shows how the XYZ color 34.3678, 38.9714, 100.3186 looks on a white background.

Color Contrast Check

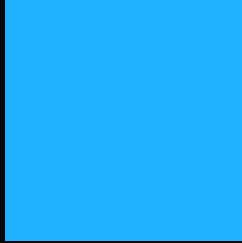
Large Text (above 18pt) WCAG AA × Fail

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 34.3678, 38.9714, 100.3186 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

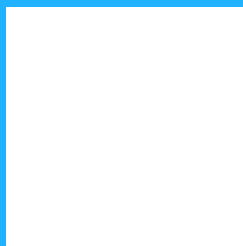
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 34.3678, 38.9714, 100.3186

Background



This preview shows how black text looks on a background with the XYZ color 34.3678, 38.9714, 100.3186.



This preview shows how white text looks on a background with the XYZ color 34.3678, 38.9714,

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

34.3678, 38.9714, 100.3186

Protanopia

40.4198, 38.6580, 90.9193

Deuteranopia

39.7123, 38.6300, 99.9710



Tritanopia

27.6578, 38.8214, 60.0684

Trichromacy



Original Color

34.3678, 38.9714, 100.3186

Protanomaly

36.4981, 37.9199, 94.2026

Deuteranomaly

36.5445, 38.0933, 100.0344

Tritanomaly

29.6658, 38.6485, 72.9142

Monochromacy



Original Color

34.3678, 38.9714, 100.3186

Achromatopsia

26.1081, 27.4677, 29.9124

Achromatomaly

25.9666, 29.7869, 49.7283

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.3678, 38.9714, 100.3186 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(32, 177, 255)` looks like.

```
.text, #text, p{  
    color:rgb(32, 177, 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(32, 177, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(32, 177, 255) }
```

Border

The CSS property to change the border of an element to XYZ 34.3678, 38.9714, 100.3186 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(32, 177, 255) }
```


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

```
.border{ border-color:rgb(32, 177, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(32, 177, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(32, 177, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(32, 177, 255);  
box-shadow:4px 4px 4px 4px rgb(32, 177,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 34.3678, 38.9714, 100.3186 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(32, 177, 255) }
```

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

```
.background{ background-color: rgb(32, 177,  
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](#).

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