

Converting Colors

XYZ(34.8828, 40.0645,
100.5025)

Have a look what the booklet for
XYZ(34.8828, 40.0645, 100.5025)
contains.

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Color

**XYZ(34.9363, 40.1538,
100.5169)**

Conversions

Conversions Part 1

Format	Color
Hex	1FB4FF
RGB	31, 180, 255
RGB Percent	12%, 71%, 100%
CMY	0.8783, 0.2941, 0.0000
CMYK	0.88, 0.29, 0.00, 0.00
HSL	200°, 100%, 56%
HSV	200°, 88%, 100%
XYZ	34.9363, 40.1538, 100.5169
YIQ	143.9990, -112.8790, -8.2630

Conversions

Conversions Part 2

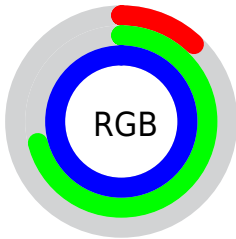
Format	Color
R _Y B	31, 120, 255
Decimal	2077951
CIE Lab	69.58, -10.71, -47.19
CIE LCh	70, 48.391, 257.213
Yxy	40.1538, 0.1989, 0.2287
Android (android.graphics.Color)	4280268031 (0xFF1FB4FF)
YUV	143.9990, 54.7235, -99.1001
Hunter-Lab	63.3670, -12.4794, -49.6927

Details

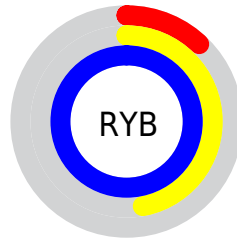
The XYZ color **34.9363, 40.1538, 100.5169** is a light color, and the websafe version is hex **3399CC**. The color can be described as light washed azure. A complement of this color would be **46.6447, 31.6730, 4.9535**, and the grayscale version is **26.3322, 27.7035, 30.1691**.

A 20% lighter version of the original color is **55.6532, 71.1328, 105.4045**, and **17.7824, 19.2560, 56.2056** is the 20% darker color. If you saturate the color by 10%, you get **32.7697, 36.5567, 99.9367**, and if you desaturate by 10%, it is **37.8097, 44.2740, 101.1607**.

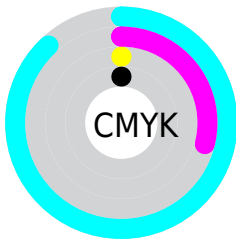
Distribution



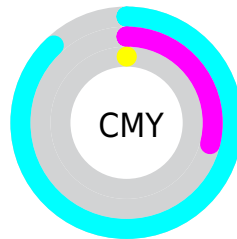
- Red (12%)
- Green (71%)
- Blue (100%)



- Red (12%)
- Yellow (47%)
- Blue (100%)



- Cyan (88%)
- Magenta (29%)
- Yellow (0%)
- Black (0%)



- Cyan (88%)
- Magenta (29%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 34.9363, 40.1538, 100.5169 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 34.9363, 40.1538, 100.5169 by changing the saturation by 10% instead.

■ 34.9363, 40.1538,
100.5169

■ 34.9363, 40.1538,
100.5169

315.8000,
346.7714, 583.1095

■ 23.7801, 27.6585,
76.1130

■ 66.7217, 75.3977,
163.9254

■ 15.2944, 18.0684,
56.0180

■ 88.0817, 98.9150,
203.7671

■ 9.1139, 10.9991,
39.8132

■ 113.5736,
126.8751, 249.5918

■ 4.8733, 6.0662,
27.0803

■ 143.5628,
159.6624, 301.8181

■ 2.2071, 2.8854,
17.4006

■ 178.4147,
197.6613, 360.8644

■ 0.7465, 1.0722,
10.3555

218.4947,

■ 0.0000, 0.0000,

241.2562, 427.1494

5.5266

264.1680,
290.8314, 501.0916

■ 0.0000, 0.0000,
2.4954

■ 0.0000, 0.0000,
0.8377

■ 34.9363, 40.1538,
100.5169

■ 34.9363, 40.1538,
100.5169

■ 32.7697, 36.5567,
99.9367

■ 37.8097, 44.2740,
101.1607

■ 32.3519, 35.8239,
99.8173

■ 41.5167, 48.9839,
101.8744

■ 46.1570, 54.3379,
102.6633

■ 51.8141, 60.3819,
103.5317

■ 58.5617, 67.1562,
104.4837

■ 66.4662, 74.6977,
105.5227

■ 75.5884, 83.0401,
106.6521

■ 85.9847, 92.2148,
107.8751

■ 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.



28.8445, 40.1538, 83.4974



34.9363, 40.1538, 100.5169



42.7846, 40.1538, 99.0264

Triad

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



34.9363, 40.1538, 100.5169



54.3851, 40.1538, 32.1864



28.1692, 40.1538, 20.5271

Complementary

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



34.9363, 40.1538, 100.5169



46.6447, 31.6730, 4.9535

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.



33.8905, 40.1538, 14.1593



34.9363, 40.1538, 100.5169



49.3038, 40.1538, 19.1403

Square

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



34.9363, 40.1538, 100.5169



54.7663, 40.1538, 53.9489



41.5867, 40.1538, 13.7576



25.3115, 40.1538, 34.8745

Rectangle

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



34.9363, 40.1538, 100.5169



47.9886, 40.1538, 87.7048



41.5867, 40.1538, 13.7576



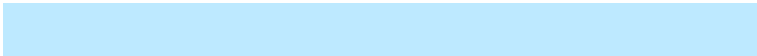
29.7828, 40.1538, 17.6317

Sweetspot

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



34.9376, 40.1551, 100.5170



68.0439, 76.1645, 105.7227



38.9112, 72.8459, 25.5603



13.9328, 15.7133, 22.5486



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.



34.9376, 40.1551, 100.5170



32.3519, 35.8239, 99.8173



20.7049, 11.6895, 95.7728



18.0124, 19.3965, 23.0445



17.0478, 19.0052, 52.2044



1.7606, 2.0520, 5.1165

Inverse Universe

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



49.9692, 25.5369, 45.4765



48.4590, 24.1476, 39.9445



66.4741, 71.3318, 11.5633



18.5189, 18.1909, 21.3498



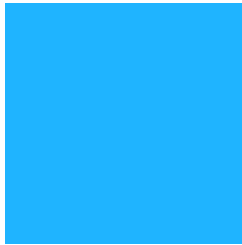
25.3932, 12.6466, 21.2526



2.5233, 1.2517, 2.3371

Previews

White Background



This preview shows how the XYZ color 34.9363, 40.1538, 100.5169 looks on a white background.

Color Contrast Check

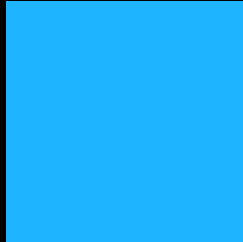
Large Text (above 18pt) WCAG AA × Fail

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 34.9363, 40.1538, 100.5169 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

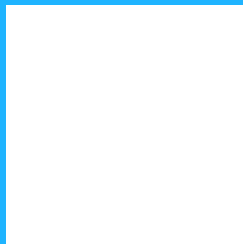
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 34.9363, 40.1538, 100.5169

Background



This preview shows how black text looks on a background with the XYZ color 34.9363, 40.1538, 100.5169.



This preview shows how white text looks on a background with the XYZ color 34.9363, 40.1538,

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

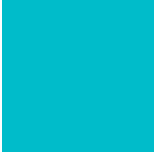
34.9363, 40.1538, 100.5169

Protanopia

41.3155, 39.6728, 90.2741

Deuteranopia

40.8050, 39.7373, 100.1271



Tritanopia

28.6439, 40.2307, 62.1327

Trichromacy



Original Color

34.9363, 40.1538, 100.5169

Protanomaly

36.9449, 38.7248, 93.5231

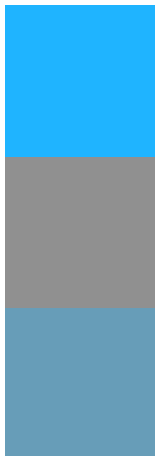
Deuteranomaly

37.2162, 39.0004, 100.1741

Tritanomaly

30.5381, 39.9895, 74.5158

Monochromacy



Original Color

34.9363, 40.1538, 100.5169

Achromatopsia

26.5089, 27.8894, 30.3716

Achromatomaly

26.3022, 30.4582, 49.8401

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.9363, 40.1538, 100.5169 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(31, 180, 255)` looks like.

```
.text, #text, p{  
    color:rgb(31, 180, 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(31, 180, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(31, 180, 255) }
```

Border

The CSS property to change the border of an element to XYZ 34.9363, 40.1538, 100.5169 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(31, 180, 255) }
```


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

```
.border{ border-color:rgb(31, 180, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(31, 180, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(31, 180, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(31, 180, 255);  
box-shadow:4px 4px 4px 4px rgb(31, 180,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 34.9363, 40.1538, 100.5169 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(31, 180, 255) }
```

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

```
.background{ background-color: rgb(31, 180,  
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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