

Converting Colors

XYZ(34.3202, 38.7023,
100.2692)

Have a look what the booklet for
XYZ(34.3202, 38.7023, 100.2692)
contains.

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Color

**XYZ(34.3029, 38.6457,
100.2592)**

Conversions

Conversions Part 1

Format	Color
Hex	24B0FF
RGB	36, 176, 255
RGB Percent	14%, 69%, 100%
CMY	0.8587, 0.3098, 0.0000
CMYK	0.86, 0.31, 0.00, 0.00
HSL	202°, 100%, 57%
HSV	202°, 86%, 100%
XYZ	34.3029, 38.6457, 100.2592
YIQ	143.1460, -108.7990, -5.1110

Conversions

Conversions Part 2

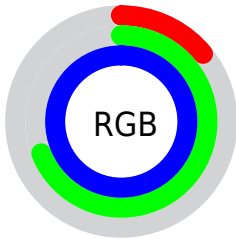
Format	Color
R _Y B	36, 121, 255
Decimal	2404607
CIE Lab	68.49, -8.21, -48.89
CIE LCh	68, 49.580, 260.468
Yxy	38.6457, 0.1980, 0.2231
Android (android.graphics.Color)	4280594687 (0xFF24B0FF)
YUV	143.1460, 55.1440, -93.9670
Hunter-Lab	62.1657, -10.2939, -52.1054

Details

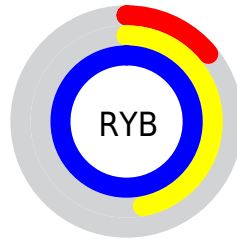
The XYZ color **34.3029, 38.6457, 100.2592** is a light color, and the websafe version is hex **3399CC**. The color can be described as light washed azure. A complement of this color would be **47.6926, 33.6550, 5.6537**, and the grayscale version is **25.9883, 27.3417, 29.7751**.

A 20% lighter version of the original color is **54.5111, 68.4368, 104.9443**, and **17.4007, 18.4925, 56.0784** is the 20% darker color. If you saturate the color by 10%, you get **31.9643, 34.8529, 99.6503**, and if you desaturate by 10%, it is **37.3982, 43.0111, 100.9386**.

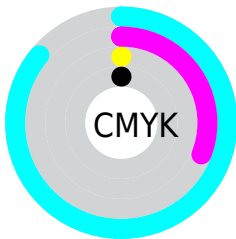
Distribution



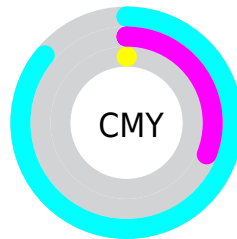
- Red (14%)
- Green (69%)
- Blue (100%)



- Red (14%)
- Yellow (47%)
- Blue (100%)



- Cyan (86%)
- Magenta (31%)
- Yellow (0%)
- Black (0%)



- Cyan (86%)
- Magenta (31%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 34.3029, 38.6457, 100.2592 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 34.3029, 38.6457, 100.2592 by changing the saturation by 10% instead.

■ 34.3029, 38.6457,
100.2592

■ 34.3029, 38.6457,
100.2592

313.0428,
340.3818, 582.2771

■ 23.2904, 26.4842,
75.8989

■ 65.7456, 73.0968,
163.5683

■ 14.9299, 17.1862,
55.8435

■ 86.9065, 96.1551,
203.3543

■ 8.8562, 10.3674,
39.6743

■ 112.1809,
123.6146, 249.1192

■ 4.7039, 5.6432,
26.9728

■ 141.9341,
155.8595, 301.2816

■ 2.1075, 2.6294,
17.3206

■ 176.5316,
193.2743, 360.2600

■ 0.6933, 0.9414,
10.2989

216.3386,

■ 0.0000, 0.0000,

236.2433, 426.4731

5.4894

261.7205,
285.1510, 500.3393

■ 0.0000, 0.0000,
2.4735

■ 0.0000, 0.0000,
0.8260

■ 34.3029, 38.6457,
100.2592

■ 34.3029, 38.6457,
100.2592

■ 31.9643, 34.8529,
99.6503

■ 37.3982, 43.0111,
100.9386

■ 31.1479, 33.4158,
99.4160

■ 41.3642, 48.0099,
101.6944

■ 46.2975, 53.6956,
102.5319

■ 52.2799, 60.1137,
103.4554

■ 59.3838, 67.3048,
104.4690

■ 67.6750, 75.3059,
105.5764

■ 77.2136, 84.1511,
106.7809

■ 88.0557, 93.8722,
108.0859

■ 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.



27.9866, 38.6457, 84.6726



34.3029, 38.6457, 100.2592



42.2308, 38.6457, 96.5264

Triad

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



34.3029, 38.6457, 100.2592



52.6544, 38.6457, 28.7725



26.3339, 38.6457, 20.2286

Complementary

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



34.3029, 38.6457, 100.2592



47.6926, 33.6550, 5.6537

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.



31.7317, 38.6457, 13.2982



34.3029, 38.6457, 100.2592



47.1313, 38.6457, 16.8799

Square

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



34.3029, 38.6457, 100.2592



53.6007, 38.6457, 49.6019



39.2723, 38.6457, 12.3391



23.8348, 38.6457, 35.3573

Rectangle

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



34.3029, 38.6457, 100.2592



47.3532, 38.6457, 83.9561



39.2723, 38.6457, 12.3391



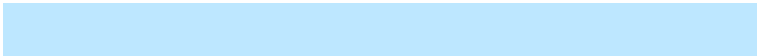
27.8304, 38.6457, 17.1263

Sweetspot

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



34.3042, 38.6469, 100.2593



67.5605, 75.1977, 105.5615



39.4505, 73.0804, 27.5517



13.8176, 15.4829, 22.5102



0.0000, 0.0000, 0.0000



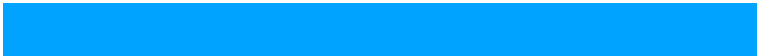
20.3446, 21.4041, 23.3091

Same Dimension

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



34.3042, 38.6469, 100.2593



31.1479, 33.4158, 99.4160



20.8989, 11.8363, 95.7909



17.9714, 19.3145, 23.0308



16.4221, 17.7539, 51.9959



1.7027, 1.9360, 5.0972

Inverse Universe

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



49.7084, 25.6581, 43.4078



47.8512, 23.9045, 36.7441



67.7211, 73.7121, 12.3299



18.4982, 18.1826, 21.2408



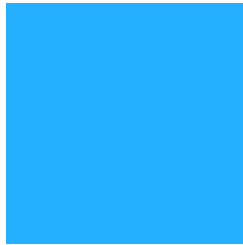
25.0773, 12.5202, 19.5895



2.4940, 1.2400, 2.1830

Previews

White Background



This preview shows how the XYZ color 34.3029, 38.6457, 100.2592 looks on a white background.

Color Contrast Check

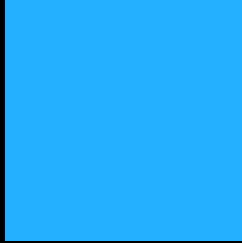
Large Text (above 18pt) WCAG AA × Fail

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 34.3029, 38.6457, 100.2592 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

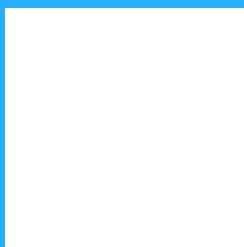
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 34.3029, 38.6457, 100.2592

Background



This preview shows how black text looks on a background with the XYZ color 34.3029, 38.6457, 100.2592.

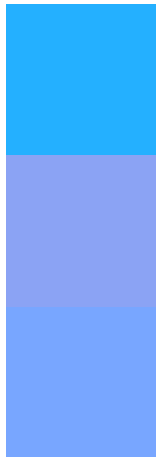


This preview shows how white text looks on a background with the XYZ color 34.3029, 38.6457,

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

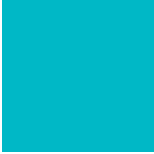
34.3029, 38.6457, 100.2592

Protanopia

40.0738, 38.2150, 90.8521

Deuteranopia

39.4319, 38.4855, 99.9579



Tritanopia

27.3335, 38.3582, 59.3893

Trichromacy



Original Color

34.3029, 38.6457, 100.2592

Protanomaly

36.4254, 37.6074, 94.1461

Deuteranomaly

36.5445, 38.0933, 100.0344

Tritanomaly

29.4760, 38.2478, 72.8468

Monochromacy



Original Color

34.3029, 38.6457, 100.2592

Achromatopsia

26.1081, 27.4677, 29.9124

Achromatomaly

26.0820, 29.8464, 49.7337

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.3029, 38.6457, 100.2592 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(36, 176, 255)` looks like.

```
.text, #text, p{  
    color:rgb(36, 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(36, 176, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(36, 176, 255) }
```

Border

The CSS property to change the border of an element to XYZ 34.3029, 38.6457, 100.2592 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(36, 176, 255) }
```


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

```
.border{ border-color:rgb(36, 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(36, 176, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(36, 176, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(36, 176, 255);  
box-shadow:4px 4px 4px 4px rgb(36, 176,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 34.3029, 38.6457, 100.2592 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(36, 176, 255) }
```

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

```
.background{ background-color: rgb(36, 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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