

Converting Colors

XYZ(38.3604, 44.7021,
101.2136)

Have a look what the booklet for
XYZ(38.3604, 44.7021, 101.2136)
contains.

XYZ(38.3619, 44.7052, 101.2148)	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(38.3619, 44.7052,
101.2148)**

Conversions

Conversions Part 1

Format	Color
Hex	40BDFF
RGB	64, 189, 255
RGB Percent	25%, 74%, 100%
CMY	0.7490, 0.2588, 0.0000
CMYK	0.75, 0.26, 0.00, 0.00
HSL	201°, 100%, 63%
HSV	201°, 75%, 100%
XYZ	38.3619, 44.7052, 101.2148
YIQ	159.1490, -95.6860, -5.9740

Conversions

Conversions Part 2

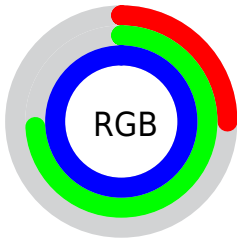
Format	Color
R _{YB}	64, 140, 255
Decimal	4242943
CIE Lab	72.70, -12.81, -42.26
CIE LCh	73, 44.162, 253.140
Yxy	44.7052, 0.2082, 0.2426
Android (android.graphics.Color)	4282433023 (0xFF40BDFF)
YUV	159.1490, 47.2545, -83.4457
Hunter-Lab	66.8619, -14.5944, -42.9491

Details

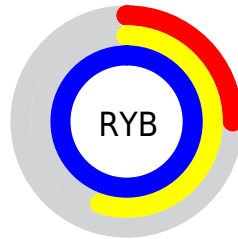
The XYZ color **38.3619, 44.7052, 101.2148** is a light color, and the websafe version is hex **66CCFF**. The color can be described as light washed azure. A complement of this color would be **50.1499, 37.5985, 9.4665**, and the grayscale version is **32.8471, 34.5577, 37.6333**.

A 20% lighter version of the original color is **60.8558, 77.7591, 106.4093**, and **18.9972, 21.6855, 56.6105** is the 20% darker color. If you saturate the color by 10%, you get **35.2282, 40.3614, 100.5416**, and if you desaturate by 10%, it is **42.3709, 49.6726, 101.9623**.

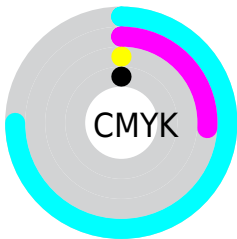
Distribution



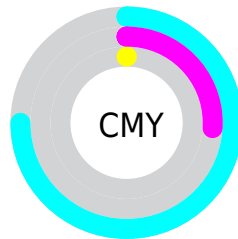
- Red (25%)
- Green (74%)
- Blue (100%)



- Red (25%)
- Yellow (55%)
- Blue (100%)



- Cyan (75%)
- Magenta (26%)
- Yellow (0%)
- Black (0%)



- Cyan (75%)
- Magenta (26%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.3619, 44.7052, 101.2148 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 38.3619, 44.7052, 101.2148 by changing the saturation by 10% instead.

■ 38.3619, 44.7052,
101.2148

■ 38.3619, 44.7052,
101.2148

330.4240,
365.5783, 585.3604

■ 26.4422, 31.2253,
76.6929

■ 71.9628, 82.2779,
164.8920

■ 17.2891, 20.7705,
56.4908

■ 94.3747, 107.1394,
204.8844

■ 10.5374, 12.9563,
40.1900

■ 121.0148,
136.5636, 250.8708

■ 5.8217, 7.3985,
27.3718

■ 152.2483,
170.9348, 303.2696

■ 2.7766, 3.7125,
17.6177

188.4406,
210.6375, 362.4994

■ 1.0368, 1.5141,
10.5093

229.9570,

■ 0.0000, 0.2986,

256.0561, 428.9788

5.6279

277.1631,
307.5749, 503.1263

■ 0.0000, 0.0000,
2.5551

■ 0.0000, 0.0000,
0.8691

■ 38.3619, 44.7052,
101.2148

■ 38.3619, 44.7052,
101.2148

■ 35.2282, 40.3614,
100.5416

■ 42.3709, 49.6726,
101.9623

■ 32.8507, 36.5748,
99.9360

■ 47.3443, 55.3104,
102.7884

■ 31.8471, 34.8142,
99.6490

■ 53.3640, 61.6643,
103.6976

■ 60.5015, 68.7740,
104.6937

■ 68.8215, 76.6757,
105.7803

■ 78.3836, 85.4026,
106.9608

■ 89.2433, 94.9860,
108.2382

■ 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.



32.6269, 44.7052, 83.5805



38.3619, 44.7052, 101.2148



45.9271, 44.7052, 102.3732

Triad

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



38.3619, 44.7052, 101.2148



58.5034, 44.7052, 39.7051



33.1968, 44.7052, 23.9342

Complementary

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



38.3619, 44.7052, 101.2148



50.1499, 37.5985, 9.4665

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.



39.2306, 44.7052, 18.0764



38.3619, 44.7052, 101.2148



54.1662, 44.7052, 25.1601

Square

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



38.3619, 44.7052, 101.2148



58.1978, 44.7052, 61.9598



46.9061, 44.7052, 18.4448



29.8997, 44.7052, 37.4417

Rectangle

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



38.3619, 44.7052, 101.2148



51.0598, 44.7052, 93.2131



46.9061, 44.7052, 18.4448



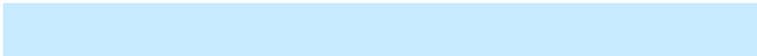
34.9388, 44.7052, 21.2160

Sweetspot

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



38.3633, 44.7067, 101.2150



71.4611, 79.1173, 106.1125



41.7502, 74.1604, 32.4242



14.7661, 16.4447, 22.6458



0.0000, 0.0000, 0.0000



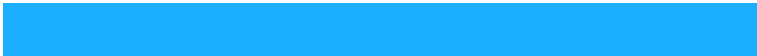
20.3446, 21.4041, 23.3091

Same Dimension

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



38.3633, 44.7067, 101.2150



33.9287, 38.3638, 100.2245



24.3339, 16.6478, 96.5386



17.9955, 19.3626, 23.0388



16.7856, 18.4807, 52.1170



1.7364, 2.0035, 5.1085

Inverse Universe

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



52.2597, 28.6025, 50.9119



49.4046, 25.0993, 43.1563



68.5986, 74.4960, 15.6161



18.5104, 18.1875, 21.3047



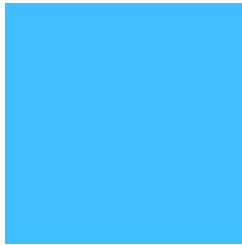
25.2608, 12.5936, 20.5556



2.5111, 1.2468, 2.2727

Previews

White Background



This preview shows how the XYZ color 38.3619, 44.7052, 101.2148 looks on a white background.

Color Contrast Check

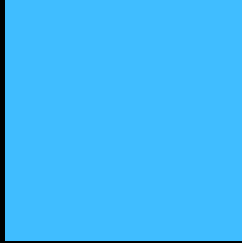
Large Text (above 18pt) WCAG AA × Fail

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 38.3619, 44.7052, 101.2148 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

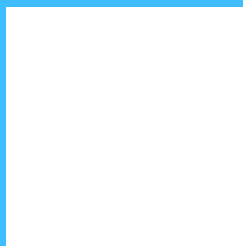
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 38.3619, 44.7052, 101.2148

Background



This preview shows how black text looks on a background with the XYZ color 38.3619, 44.7052, 101.2148.



This preview shows how white text looks on a background with the XYZ color 38.3619, 44.7052,

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

38.3619, 44.7052, 101.2148

Protanopia

45.5637, 44.3597, 91.7488

Deuteranopia

45.2524, 44.2904, 100.7716



Tritanopia

31.9765, 44.7366, 69.9005

Trichromacy



Original Color

38.3619, 44.7052, 101.2148

Protanomaly

41.4329, 43.6308, 95.0448

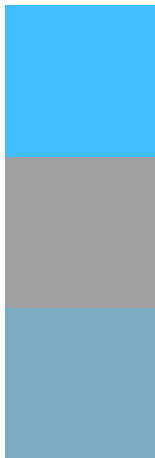
Deuteranomaly

41.7763, 43.9808, 100.8950

Tritanomaly

33.6487, 44.3672, 80.1890

Monochromacy



Original Color

38.3619, 44.7052, 101.2148

Achromatopsia

32.9542, 34.6704, 37.7561

Achromatomaly

32.4245, 36.9296, 56.4581

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.3619, 44.7052, 101.2148 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(64, 189, 255)` looks like.

```
.text, #text, p{  
    color:rgb(64, 189, 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(64, 189, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(64, 189, 255) }
```

Border

The CSS property to change the border of an element to XYZ 38.3619, 44.7052, 101.2148 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(64, 189, 255) }
```


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

```
.border{ border-color:rgb(64, 189, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(64, 189, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(64, 189, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(64, 189, 255);  
box-shadow:4px 4px 4px 4px rgb(64, 189,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 38.3619, 44.7052, 101.2148 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(64, 189, 255) }
```

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

```
.background{ background-color: rgb(64, 189,  
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