

Converting Colors

XYZ(42.7029, 48.2582,
122.2462)

Have a look what the booklet for
XYZ(42.7029, 48.2582, 122.2462)
contains.

XYZ(38.6572, 46.4817, 101.5422)	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(38.6572, 46.4817,
101.5422)**

Conversions

Conversions Part 1

Format	Color
Hex	32C2FF
RGB	50, 194, 255
RGB Percent	20%, 76%, 100%
CMY	0.8038, 0.2392, 0.0000
CMYK	0.80, 0.24, 0.00, 0.00
HSL	198°, 100%, 60%
HSV	198°, 80%, 100%
XYZ	38.6572, 46.4817, 101.5422
YIQ	157.8980, -105.4050, -11.5570

Conversions

Conversions Part 2

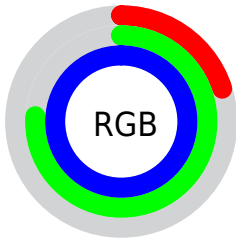
Format	Color
RYB	50, 135, 255
Decimal	3326719
CIELab	73.86, -16.86, -40.47
CIELCh	74, 43.846, 247.384
Yxy	46.4817, 0.2071, 0.2490
Android (android.graphics.Color)	4281516799 (0xFF32C2FF)
YUV	157.8980, 47.8713, -94.6265
Hunter-Lab	68.1775, -18.0996, -40.5811

Details

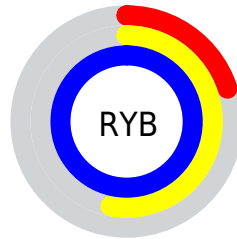
The XYZ color **38.6572, 46.4817, 101.5422** is a light color, and the websafe version is hex **33CCFF**. The color can be described as light washed cyan. A complement of this color would be **47.5024, 32.8630, 6.8593**, and the grayscale version is **32.2805, 33.9616, 36.9842**.

A 20% lighter version of the original color is **61.1377, 80.1804, 106.8618**, and **19.5711, 22.8334, 56.8019** is the 20% darker color. If you saturate the color by 10%, you get **36.0854, 42.7132, 100.9503**, and if you desaturate by 10%, it is **42.0170, 50.7861, 102.1959**.

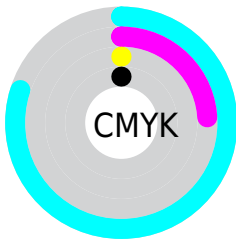
Distribution



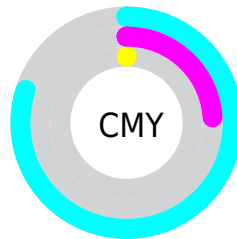
- Red (20%)
- Green (76%)
- Blue (100%)



- Red (20%)
- Yellow (53%)
- Blue (100%)



- Cyan (80%)
- Magenta (24%)
- Yellow (0%)
- Black (0%)



- Cyan (80%)
- Magenta (24%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.6572, 46.4817, 101.5422 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 38.6572, 46.4817, 101.5422 by changing the saturation by 10% instead.

■ 38.6572, 46.4817,
101.5422

■ 38.6572, 46.4817,
101.5422

331.6632,
372.7419, 586.4147

■ 26.6727, 32.6261,
76.9651

■ 72.4118, 84.9394,
165.3452

■ 17.4629, 21.8402,
56.7128

■ 94.9125, 110.3104,
205.4082

■ 10.6624, 13.7395,
40.3669

■ 121.6494,
140.2886, 251.4702

■ 5.9059, 7.9397,
27.5088

■ 152.9878,
175.2584, 303.9498

■ 2.8281, 4.0564,
17.7199

189.2930,
215.6042, 363.2655

■ 1.0635, 1.7052,
10.5817

230.9304,

■ 0.0000, 0.4270,

261.7105, 429.8359

5.6757

278.2653,
313.9616, 504.0794

■ 0.0000, 0.0000,
2.5833

■ 0.0000, 0.0000,
0.8838

■ 38.6572, 46.4817,
101.5422

■ 38.6572, 46.4817,
101.5422

■ 36.0854, 42.7132,
100.9503

■ 42.0170, 50.7861,
102.1959

■ 34.1937, 39.5074,
100.4312

■ 46.2634, 55.6765,
102.9161

■ 51.4838, 61.2009,
103.7072

■ 57.7537, 67.3997,
104.5732

■ 65.1407, 74.3096,
105.5177

■ 73.7063, 81.9640,
106.5436

■ 83.5074, 90.3940,
107.6542

■ 94.5971, 99.6284,
108.8521

■ 95.0500, 100.0000,
108.9000

Harmonies

Analogous

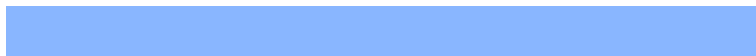
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



33.2978, 46.4817, 81.4404



38.6572, 46.4817, 101.5422



46.1360, 46.4817, 106.3041

Triad

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



38.6572, 46.4817, 101.5422



60.7921, 46.4817, 45.2864



35.6814, 46.4817, 23.5697

Complementary

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



38.6572, 46.4817, 101.5422



47.5024, 32.8630, 6.8593

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.



42.2790, 46.4817, 18.8379



38.6572, 46.4817, 101.5422



57.2059, 46.4817, 28.7471

Square

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



38.6572, 46.4817, 101.5422



59.5276, 46.4817, 68.9985



50.2041, 46.4817, 20.4048



31.7261, 46.4817, 35.8195

Rectangle

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



38.6572, 46.4817, 101.5422



51.4462, 46.4817, 99.1575



50.2041, 46.4817, 20.4048



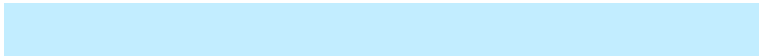
37.6314, 46.4817, 21.2406

Sweetspot

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



38.6587, 46.4832, 101.5424



70.4697, 79.1087, 106.1631



39.7883, 73.2834, 26.2625



14.4340, 16.3511, 22.6453



0.0000, 0.0000, 0.0000



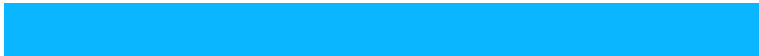
20.3446, 21.4041, 23.3091

Same Dimension

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



38.6587, 46.4832, 101.5424



34.9370, 40.8044, 100.6424



23.4076, 15.9810, 96.4587



18.0717, 19.5150, 23.0642



18.0034, 20.9165, 52.5230



1.8483, 2.2273, 5.1458

Inverse Universe

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



52.1193, 27.4380, 53.5894



49.8100, 24.8652, 46.5131



65.0081, 67.8743, 12.6946



18.5488, 18.2028, 21.5073



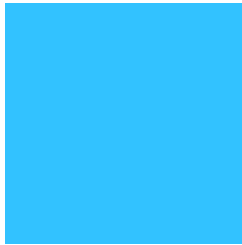
25.8755, 12.8395, 23.7926



2.5675, 1.2694, 2.5701

Previews

White Background



This preview shows how the XYZ color 38.6572, 46.4817, 101.5422 looks on a white background.

Color Contrast Check

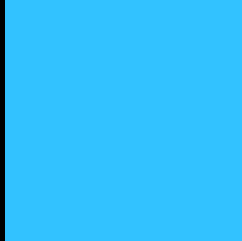
Large Text (above 18pt) WCAG AA × Fail

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 38.6572, 46.4817, 101.5422 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

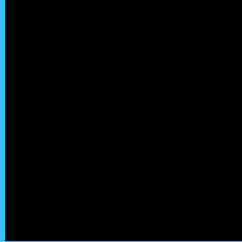
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

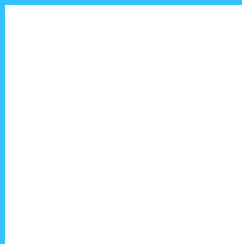
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 38.6572, 46.4817, 101.5422

Background



This preview shows how black text looks on a background with the XYZ color 38.6572, 46.4817, 101.5422.

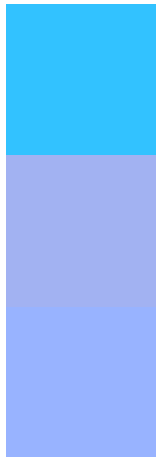


This preview shows how white text looks on a background with the XYZ color 38.6572, 46.4817,

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

38.6572, 46.4817, 101.5422

Protanopia

46.8477, 45.9330, 90.4012

Deuteranopia

47.1190, 46.1356, 101.0294



Tritanopia

33.0489, 46.2664, 72.1542

Trichromacy



Original Color

38.6572, 46.4817, 101.5422

Protanomaly

41.8141, 45.0613, 94.4896

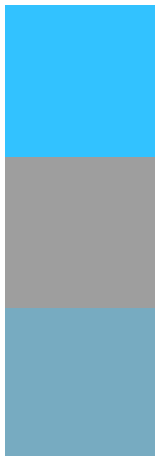
Deuteranomaly

42.2607, 45.1458, 101.0944

Tritanomaly

34.7265, 46.2299, 81.9559

Monochromacy



Original Color

38.6572, 46.4817, 101.5422

Achromatopsia

32.4990, 34.1914, 37.2345

Achromatomaly

31.7963, 36.8980, 55.8983

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.6572, 46.4817, 101.5422 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(50, 194, 255)` looks like.

```
.text, #text, p{  
    color:rgb(50, 194, 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(50, 194, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(50, 194, 255) }
```

Border

The CSS property to change the border of an element to XYZ 38.6572, 46.4817, 101.5422 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(50, 194, 255) }
```


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

```
.border{ border-color:rgb(50, 194, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(50, 194, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(50, 194, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(50, 194, 255);  
box-shadow:4px 4px 4px 4px rgb(50, 194,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 38.6572, 46.4817, 101.5422 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(50, 194, 255) }
```

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

```
.background{ background-color: rgb(50, 194,  
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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