

Converting Colors

XYZ(38.4783, 42.5796, 85.6919)

Have a look what the booklet for
XYZ(38.4783, 42.5796, 85.6919)
contains.

XYZ(38.4742, 42.6146, 85.5545)	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(38.4742, 42.6146,
85.5545)**

Conversions

Conversions Part 1

Format	Color
Hex	71B5EC
RGB	113, 181, 236
RGB Percent	44%, 71%, 93%
CMY	0.5568, 0.2902, 0.0745
CMYK	0.52, 0.23, 0.00, 0.07
HSL	207°, 76%, 68%
HSV	207°, 52%, 93%
XYZ	38.4742, 42.6146, 85.5545
YIQ	166.9380, -58.1830, 2.6890

Conversions

Conversions Part 2

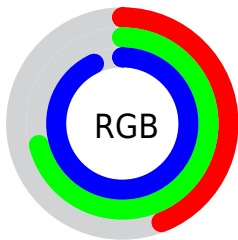
Format	Color
RYB	113, 157, 236
Decimal	7452140
CIELab	71.29, -6.39, -34.05
CIELCh	71, 34.645, 259.366
Yxy	42.6146, 0.2309, 0.2557
Android (android.graphics.Color)	4285642220 (0xFF71B5EC)
YUV	166.9380, 34.0476, -47.3036
Hunter-Lab	65.2799, -9.0366, -32.0084

Details

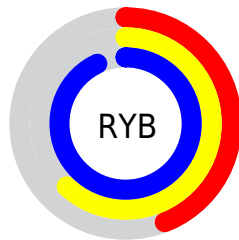
The XYZ color **38.4742, 42.6146, 85.5545** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **51.5766, 47.0319, 21.9840**, and the grayscale version is **36.5616, 38.4656, 41.8890**.

A 20% lighter version of the original color is **65.1288, 76.4463, 105.9307**, and **17.3226, 19.4374, 46.0188** is the 20% darker color. If you saturate the color by 10%, you get **33.7585, 37.1186, 84.7430**, and if you desaturate by 10%, it is **44.1447, 48.8457, 86.4592**.

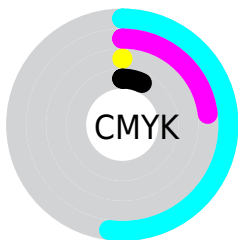
Distribution



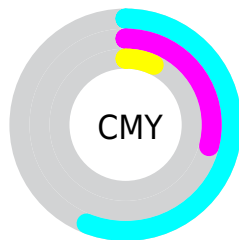
- Red (44%)
- Green (71%)
- Blue (93%)



- Red (44%)
- Yellow (62%)
- Blue (93%)



- Cyan (52%)
- Magenta (23%)
- Yellow (0%)
- Black (7%)



- Cyan (56%)
- Magenta (29%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.4742, 42.6146, 85.5545 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 38.4742, 42.6146, 85.5545 by changing the saturation by 10% instead.

■ 38.4742, 42.6146,
85.5545

■ 38.4742, 42.6146,
85.5545

330.8956,
357.0244, 533.6535

■ 26.5298, 29.5828,
63.7469

■ 72.1336, 79.1290,
143.0287

■ 17.3552, 19.5222,
46.0008

■ 94.5793, 103.3803,
179.5323

■ 10.5849, 12.0482,
31.8978

■ 121.2562,
132.1404, 221.7716

■ 5.8537, 6.7765,
21.0193

152.5297,
165.7935, 270.1653

■ 2.7961, 3.3227,
12.9467

188.7649,
204.7241, 325.1317

■ 1.0469, 1.3025,
7.2616

230.3275,

■ 0.0000, 0.1431,

249.3165, 387.0896

3.5453

277.5826,
299.9551, 456.4573

■ 0.0000, 0.0000,
1.3794

■ 0.0000, 0.0000,
0.1255

■ 38.4742, 42.6146,
85.5545

■ 38.4742, 42.6146,
85.5545

■ 33.7585, 37.1186,
84.7430

■ 44.1447, 48.8457,
86.4592

■ 29.9271, 32.3136,
84.0175

■ 50.8248, 55.8430,
87.4577

■ 26.9057, 28.1567,
83.3744

■ 58.5703, 63.6410,
88.5546

■ 24.6038, 24.5955,
82.8083

■ 67.4311, 72.2701,
89.7532

■ 23.1860, 22.1473,
82.4105

■ 77.4540, 81.7593,
91.0565

■ 88.6828, 92.1358,
92.4676

■ 92.1000, 98.7553,
93.5652

■ 92.1405, 98.8362,
93.5786

Harmonies

Analogous

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



33.6460, 42.6146, 75.2121



38.4742, 42.6146, 85.5545



44.3285, 42.6146, 83.6697

Triad

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



38.4742, 42.6146, 85.5545



52.0027, 42.6146, 36.5649



32.5927, 42.6146, 28.5050

Complementary

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



38.4742, 42.6146, 85.5545



51.5766, 47.0319, 21.9840

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.



36.9059, 42.6146, 22.2601



38.4742, 42.6146, 85.5545



48.2356, 42.6146, 26.0838

Square

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



38.4742, 42.6146, 85.5545



52.5252, 42.6146, 52.5676



42.6038, 42.6146, 21.4952



30.4728, 42.6146, 40.7349

Rectangle

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



38.4742, 42.6146, 85.5545



48.0229, 42.6146, 75.8425



42.6038, 42.6146, 21.4952



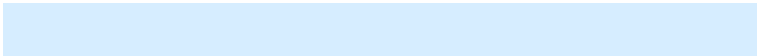
33.8138, 42.6146, 25.7747

Sweetspot

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



38.4757, 42.6162, 85.5555



76.0536, 81.9735, 106.4218



43.7173, 66.2669, 46.7091



15.8112, 17.0905, 22.7154



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.



38.4757, 42.6162, 85.5555



39.6695, 43.5531, 100.9235



28.8135, 23.2919, 82.3348



14.9217, 15.9298, 19.2105



12.9117, 12.4704, 45.4695



1.1097, 1.1708, 3.6024

Inverse Universe

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



48.8389, 32.9808, 47.5094



53.8383, 32.7536, 48.3741



65.2621, 74.4030, 26.5459



15.4140, 15.1935, 17.4655



21.3725, 10.7517, 13.0289



1.7266, 0.8636, 1.2777

Previews

White Background



This preview shows how the XYZ color 38.4742, 42.6146, 85.5545 looks on a white background.

Color Contrast Check

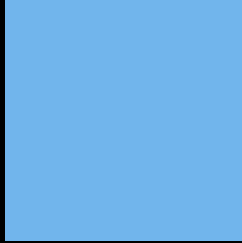
Large Text (above 18pt) WCAG AA × Fail

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 38.4742, 42.6146, 85.5545 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

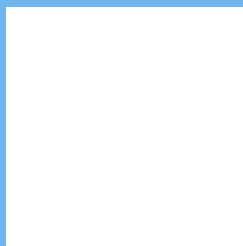
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 38.4742, 42.6146, 85.5545

Background



This preview shows how black text looks on a background with the XYZ color 38.4742, 42.6146, 85.5545.



This preview shows how white text looks on a background with the XYZ color 38.4742, 42.6146,

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

38.4742, 42.6146, 85.5545

Protanopia

42.9959, 42.4313, 80.0527

Deuteranopia

43.5116, 42.5481, 86.8082



Tritanopia

33.7978, 42.5716, 62.3129

Trichromacy



Original Color

38.4742, 42.6146, 85.5545

Protanomaly

41.0508, 42.2369, 82.3329

Deuteranomaly

41.2635, 42.2633, 86.1036

Tritanomaly

35.3123, 42.5562, 69.9713

Monochromacy



Original Color

38.4742, 42.6146, 85.5545

Achromatopsia

36.7301, 38.6429, 42.0822

Achromatomaly

36.2996, 39.5139, 55.5829

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.4742, 42.6146, 85.5545 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(113, 181, 236)` looks like.

```
.text, #text, p{  
    color:rgb(113, 181, 236)  
}
```

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(113, 181, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(113, 181, 236) }
```

Border

The CSS property to change the border of an element to XYZ 38.4742, 42.6146, 85.5545 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(113, 181, 236) }
```


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

```
.border{ border-color:rgb(113, 181, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(113, 181, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(113, 181, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(113, 181, 236);  
box-shadow:4px 4px 4px 4px rgb(113, 181,  
236) }
```

Background

The CSS property to change the background color of an element to XYZ 38.4742, 42.6146, 85.5545 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(113, 181, 236) }
```

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

```
.background{ background-color: rgb(113,  
181, 236) }
```

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