

Converting Colors

XYZ(38.9246, 41.6831, 76.6587)

Have a look what the booklet for
XYZ(38.9246, 41.6831, 76.6587)
contains.

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Color

**XYZ(38.8114, 41.5008,
76.4859)**

Conversions

Conversions Part 1

Format	Color
Hex	86B0E0
RGB	134, 176, 224
RGB Percent	53%, 69%, 88%
CMY	0.4745, 0.3098, 0.1216
CMYK	0.40, 0.21, 0.00, 0.12
HSL	212°, 59%, 70%
HSV	212°, 40%, 88%
XYZ	38.8114, 41.5008, 76.4859
YIQ	168.9140, -40.4400, 6.0240

Conversions

Conversions Part 2

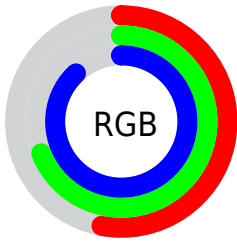
Format	Color
RYB	134, 163, 224
Decimal	8827104
CIELab	70.53, -2.01, -28.61
CIELCh	71, 28.677, 265.984
Yxy	41.5008, 0.2475, 0.2647
Android (android.graphics.Color)	4287017184 (0xFF86B0E0)
YUV	168.9140, 27.1574, -30.6196
Hunter-Lab	64.4211, -5.1971, -25.2991

Details

The XYZ color **38.8114, 41.5008, 76.4859** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **51.7725, 51.0256, 29.6760**, and the grayscale version is **37.5551, 39.5108, 43.0273**.

A 20% lighter version of the original color is **67.8611, 75.3190, 105.5691**, and **17.5935, 18.9421, 40.2650** is the 20% darker color. If you saturate the color by 10%, you get **33.3720, 35.3718, 75.5903**, and if you desaturate by 10%, it is **45.2158, 48.4351, 77.4876**.

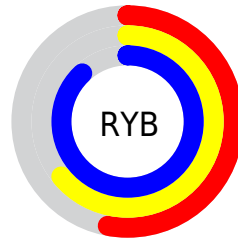
Distribution



Red (53%)

Green (69%)

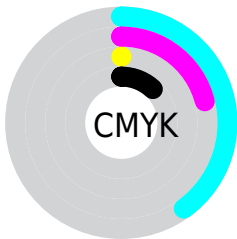
Blue (88%)



Red (53%)

Yellow (64%)

Blue (88%)

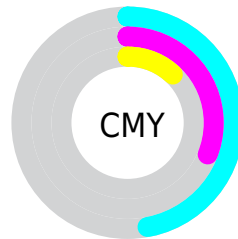


Cyan (40%)

Magenta (21%)

Yellow (0%)

Black (12%)



Cyan (47%)

Magenta (31%)

Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.8114, 41.5008, 76.4859 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 38.8114, 41.5008, 76.4859 by changing the saturation by 10% instead.

■ 38.8114, 41.5008,
76.4859

■ 38.8114, 41.5008,
76.4859

332.3090,
352.4094, 502.4004

■ 26.7931, 28.7106,
56.3220

■ 72.6460, 77.4435,
130.1799

■ 17.5537, 18.8620,
40.0554

■ 95.1931, 101.3649,
164.5471

■ 10.7278, 11.5706,
27.2676

■ 121.9804,
129.7654, 204.4857

■ 5.9500, 6.4520,
17.5401

153.3734,
163.0295, 250.4144

■ 2.8551, 3.1218,
10.4543

189.7374,
201.5415, 302.7517

■ 1.0776, 1.1957,
5.5917

231.4378,

■ 0.0062, 0.0582,

245.6859, 361.9161

2.5337

278.8398,
295.8471, 428.3262

■ 0.0000, 0.0000,
0.8579

■ 0.0000, 0.0000,
0.0000

■ 38.8114, 41.5008,
76.4859

■ 38.8114, 41.5008,
76.4859

■ 33.3720, 35.3718,
75.5903

■ 45.2158, 48.4351,
77.4876

■ 28.8402, 30.0079,
74.7938

■ 52.6301, 56.2028,
78.5961

■ 25.1579, 25.3721,
74.0931

■ 61.1013, 64.8362,
79.8160

■ 22.2583, 21.4212,
73.4833

■ 70.6718, 74.3643,
81.1507

■ 20.0622, 18.1056,
72.9591

■ 81.3819, 84.8146,
82.6034

■ 18.4590, 15.3905,
72.5195

■ 88.1647, 93.5818,
83.9381

■ 90.4547, 98.1619,
84.7014

Harmonies

Analogous

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



34.5708, 41.5008, 70.4116



38.8114, 41.5008, 76.4859



43.5675, 41.5008, 72.8934

Triad

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



38.8114, 41.5008, 76.4859



48.2030, 41.5008, 34.7049



32.3737, 41.5008, 32.1206

Complementary

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



38.8114, 41.5008, 76.4859



51.7725, 51.0256, 29.6760

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.



35.5916, 41.5008, 25.5770



38.8114, 41.5008, 76.4859



44.7577, 41.5008, 26.8463

Square

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



38.8114, 41.5008, 76.4859



49.2360, 41.5008, 47.0372



40.0860, 41.5008, 23.8583



31.0469, 41.5008, 43.3866

Rectangle

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



38.8114, 41.5008, 76.4859



46.3573, 41.5008, 65.8212



40.0860, 41.5008, 23.8583



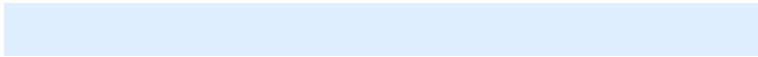
33.2569, 41.5008, 29.3908

Sweetspot

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



38.8128, 41.5024, 76.4869



79.6875, 84.6771, 106.7521



44.7776, 61.6964, 52.9975



16.7265, 17.7901, 22.8022



0.0000, 0.0000, 0.0000



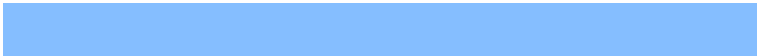
20.3446, 21.4041, 23.3091

Same Dimension

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



38.8128, 41.5024, 76.4869



46.0128, 48.8800, 101.6174



32.0533, 27.6260, 74.1647



13.4767, 14.2925, 17.4361



10.8572, 9.1839, 42.2488



0.8415, 0.8146, 2.9581

Inverse Universe

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



47.1032, 36.0335, 45.5484



58.8366, 41.6312, 53.4897



61.2372, 70.6421, 32.9635



13.9721, 13.8065, 15.6232



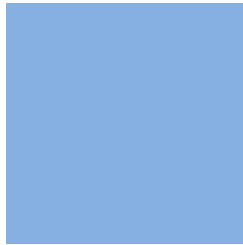
19.4204, 9.8352, 8.8795



1.3910, 0.6997, 0.8520

Previews

White Background



This preview shows how the XYZ color 38.8114, 41.5008, 76.4859 looks on a white background.

Color Contrast Check

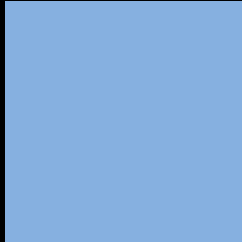
Large Text (above 18pt) WCAG AA × Fail

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 38.8114, 41.5008, 76.4859 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

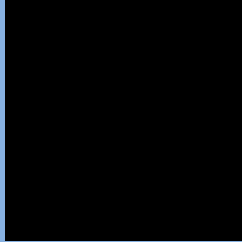
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

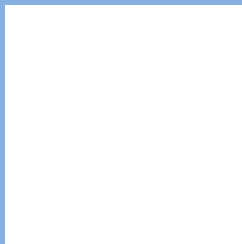
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 38.8114, 41.5008, 76.4859

Background



This preview shows how black text looks on a background with the XYZ color 38.8114, 41.5008, 76.4859.



This preview shows how white text looks on a background with the XYZ color 38.8114, 41.5008,

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

38.8114, 41.5008, 76.4859

Protanopia

41.5911, 41.2877, 73.4874

Deuteranopia

42.2758, 41.2858, 76.9749



Tritanopia

35.2401, 41.5453, 58.3862

Trichromacy



Original Color

38.8114, 41.5008, 76.4859

Protanomaly

40.3813, 41.2095, 74.2325

Deuteranomaly

41.1056, 41.5206, 77.0819

Tritanomaly

36.4666, 41.4423, 64.4697

Monochromacy



Original Color

38.8114, 41.5008, 76.4859

Achromatopsia

37.7116, 39.6755, 43.2066

Achromatomaly

37.6481, 40.2471, 53.9283

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.8114, 41.5008, 76.4859 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(134, 176, 224)` looks like.

```
.text, #text, p{  
    color:rgb(134, 176, 224)  
}
```

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(134, 176, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(134, 176, 224) }
```

Border

The CSS property to change the border of an element to XYZ 38.8114, 41.5008, 76.4859 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(134, 176, 224) }
```


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

```
.border{ border-color:rgb(134, 176, 224) }
```

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

Here you see how a box with a 4 pixel `rgb(134, 176, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(134, 176, 224); -webkit-box-shadow:4px 4px 4px 4px rgb(134, 176, 224); box-shadow:4px 4px 4px 4px rgb(134, 176, 224) }
```

Background

The CSS property to change the background color of an element to XYZ 38.8114, 41.5008, 76.4859 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(134, 176, 224) }
```

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

```
.background{ background-color: rgb(134,  
176, 224) }
```

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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