

Converting Colors

XYZ(38.1201, 40.3120, 74.8791)

Have a look what the booklet for
XYZ(38.1201, 40.3120, 74.8791)
contains.

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Color

**XYZ(38.1201, 40.3120,
74.8791)**

Conversions

Conversions Part 1

Format	Color
Hex	87ADDE
RGB	135, 173, 222
RGB Percent	53%, 68%, 87%
CMY	0.4706, 0.3216, 0.1294
CMYK	0.39, 0.22, 0.00, 0.13
HSL	214°, 57%, 70%
HSV	214°, 39%, 87%
XYZ	38.1201, 40.3120, 74.8791
YIQ	167.2240, -38.3770, 7.1830

Conversions

Conversions Part 2

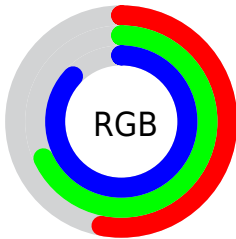
Format	Color
RYB	135, 161, 222
Decimal	8891870
CIELab	69.69, -0.63, -28.79
CIELCh	70, 28.798, 268.750
Yxy	40.3120, 0.2486, 0.2629
Android (android.graphics.Color)	4287081950 (0xFF87ADDE)
YUV	167.2240, 27.0046, -28.2604
Hunter-Lab	63.4917, -3.9401, -25.4796

Details

The XYZ color **38.1201, 40.3120, 74.8791** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **51.6389, 51.5609, 30.1537**, and the grayscale version is **36.7268, 38.6394, 42.0783**.

A 20% lighter version of the original color is **67.2793, 73.7832, 105.3033**, and **17.2058, 18.2141, 39.1680** is the 20% darker color. If you saturate the color by 10%, you get **32.6274, 34.0869, 73.9678**, and if you desaturate by 10%, it is **44.5846, 47.3729, 75.9020**.

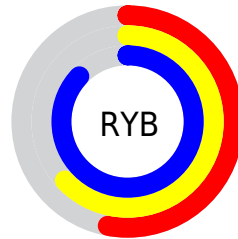
Distribution



Red (53%)

Green (68%)

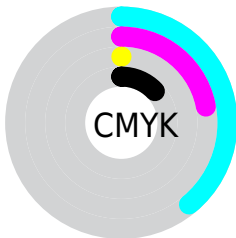
Blue (87%)



Red (53%)

Yellow (63%)

Blue (87%)

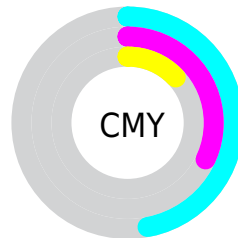


Cyan (39%)

Magenta (22%)

Yellow (0%)

Black (13%)



Cyan (47%)

Magenta (32%)

Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.1201, 40.3120, 74.8791 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 38.1201, 40.3120, 74.8791 by changing the saturation by 10% instead.

■ 38.1201, 40.3120,
74.8791

■ 38.1201, 40.3120,
74.8791

329.4068,
347.4369, 496.7462

■ 26.2536, 27.7819,
55.0127

■ 71.5949, 75.6384,
127.8867

■ 17.1471, 18.1613,
39.0132

■ 93.9339, 99.2034,
161.8651

■ 10.4354, 11.0659,
26.4621

■ 120.4943,
127.2156, 201.3844

■ 5.7530, 6.1112,
16.9408

151.6417,
160.0593, 246.8634

■ 2.7347, 2.9128,
10.0308

187.7412,
198.1188, 298.7206

■ 1.0151, 1.0864,
5.3135

229.1584,

■ 0.0000, 0.0000,

241.7787, 357.3744

2.3704

276.2585,
291.4232, 423.2434

■ 0.0000, 0.0000,
0.7703

■ 0.0000, 0.0000,
0.0000

■ 38.1201, 40.3120,
74.8791

■ 38.1201, 40.3120,
74.8791

■ 32.6274, 34.0869,
73.9678

■ 44.5846, 47.3729,
75.9020

■ 28.0497, 28.6567,
73.1609

■ 52.0653, 55.2986,
77.0375

■ 24.3300, 23.9833,
72.4549

■ 60.6087, 64.1225,
78.2904

■ 21.4025, 20.0229,
71.8447

■ 70.2570, 73.8743,
79.6642

■ 19.1902, 16.7253,
71.3248

■ 81.0500, 84.5826,
81.1622

■ 17.5736, 14.0177,
70.8874

■ 87.9996, 93.6833,
82.5526

■ 17.4566, 13.8173,
70.8549

■ 90.1850, 98.0540,
83.2810

Harmonies

Analogous

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



33.8515, 40.3120, 69.6953



38.1201, 40.3120, 74.8791



42.7896, 40.3120, 70.4605

Triad

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



38.1201, 40.3120, 74.8791



46.7221, 40.3120, 32.6689



31.1529, 40.3120, 31.8785

Complementary

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



38.1201, 40.3120, 74.8791



51.6389, 51.5609, 30.1537

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.



34.1644, 40.3120, 25.0165



38.1201, 40.3120, 74.8791



43.1553, 40.3120, 25.4035

Square

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



38.1201, 40.3120, 74.8791



47.9919, 40.3120, 44.4554



38.5113, 40.3120, 22.9079



30.0356, 40.3120, 43.3352

Rectangle

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



38.1201, 40.3120, 74.8791



45.4561, 40.3120, 63.0846



38.5113, 40.3120, 22.9079



31.9646, 40.3120, 29.0513

Sweetspot

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



38.1214, 40.3135, 74.8801



79.4209, 84.1440, 106.6632



44.6458, 60.8071, 54.1031



16.6638, 17.6649, 22.7813



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.



38.1214, 40.3135, 74.8801



45.9422, 48.1360, 101.4775



32.5561, 28.1225, 72.8203



13.4421, 14.2234, 17.4246



10.4751, 8.4197, 42.1214



0.8140, 0.7594, 2.9489

Inverse Universe

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



46.3322, 35.8761, 44.0195



58.9481, 42.2391, 52.3402



59.3042, 68.8442, 33.0857



13.9546, 13.7995, 15.5313



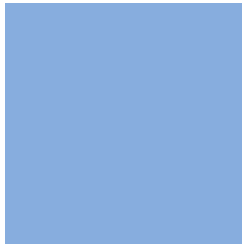
19.2275, 9.7580, 7.8640



1.3771, 0.6941, 0.7788

Previews

White Background



This preview shows how the XYZ color 38.1201, 40.3120, 74.8791 looks on a white background.

Color Contrast Check

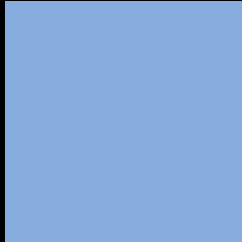
Large Text (above 18pt) WCAG AA × Fail

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 38.1201, 40.3120, 74.8791 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

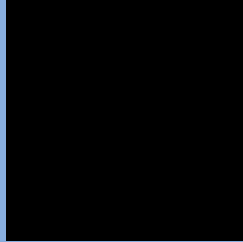
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

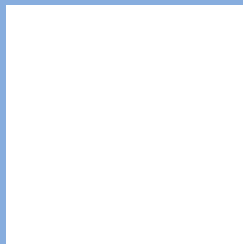
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 38.1201, 40.3120, 74.8791

Background



This preview shows how black text looks on a background with the XYZ color 38.1201, 40.3120, 74.8791.

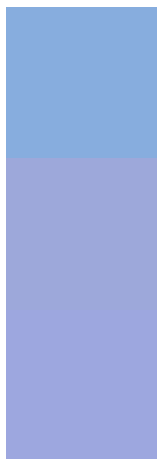


This preview shows how white text looks on a background with the XYZ color 38.1201, 40.3120,

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

38.1201, 40.3120, 74.8791

Protanopia

40.5621, 40.2353, 71.9580

Deuteranopia

41.0426, 40.1332, 75.3953



Tritanopia

34.2984, 40.2031, 56.4043

Trichromacy



Original Color

38.1201, 40.3120, 74.8791

Protanomaly

39.5553, 40.2535, 72.7027

Deuteranomaly

39.9017, 40.0932, 75.4478

Tritanomaly

35.6303, 40.1561, 62.9997

Monochromacy



Original Color

38.1201, 40.3120, 74.8791

Achromatopsia

36.7301, 38.6429, 42.0822

Achromatomaly

36.6752, 38.9324, 52.5954

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.1201, 40.3120, 74.8791 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(135, 173, 222)` looks like.

```
.text, #text, p{  
    color:rgb(135, 173, 222)  
}
```

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(135, 173, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 173, 222) }
```

Border

The CSS property to change the border of an element to XYZ 38.1201, 40.3120, 74.8791 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(135, 173, 222) }
```


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

```
.border{ border-color:rgb(135, 173, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 173, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 173, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 173, 222);  
box-shadow:4px 4px 4px 4px rgb(135, 173,  
222) }
```

Background

The CSS property to change the background color of an element to XYZ 38.1201, 40.3120, 74.8791 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 173, 222) }
```

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

```
.background{ background-color: rgb(135,  
173, 222) }
```

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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