

Converting Colors

XYZ(38.2183, 40.6620, 74.5364)

Have a look what the booklet for
XYZ(38.2183, 40.6620, 74.5364)
contains.

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Color

**XYZ(38.1789, 40.6435,
74.2393)**

Conversions

Conversions Part 1

Format	Color
Hex	87AEDD
RGB	135, 174, 221
RGB Percent	53%, 68%, 87%
CMY	0.4706, 0.3176, 0.1333
CMYK	0.39, 0.21, 0.00, 0.13
HSL	213°, 56%, 70%
HSV	213°, 39%, 87%
XYZ	38.1789, 40.6435, 74.2393
YIQ	167.6970, -38.3310, 6.3490

Conversions

Conversions Part 2

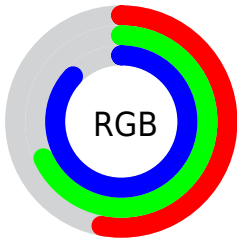
Format	Color
RYB	135, 162, 221
Decimal	8892125
CIELab	69.93, -1.45, -27.88
CIELCh	70, 27.921, 267.026
Yxy	40.6435, 0.2494, 0.2655
Android (android.graphics.Color)	4287082205 (0xFF87AEDD)
YUV	167.6970, 26.2784, -28.6753
Hunter-Lab	63.7523, -4.6693, -24.4164

Details

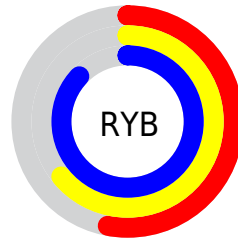
The XYZ color **38.1789, 40.6435, 74.2393** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **50.9208, 50.5783, 30.0019**, and the grayscale version is **36.9609, 38.8858, 42.3466**.

A 20% lighter version of the original color is **67.5552, 74.3350, 105.3953**, and **17.2358, 18.4216, 38.7237** is the 20% darker color. If you saturate the color by 10%, you get **32.7561, 34.5392, 73.3476**, and if you desaturate by 10%, it is **44.5522, 47.5510, 75.2374**.

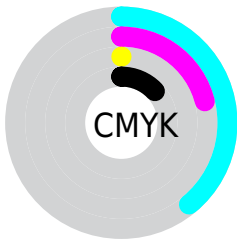
Distribution



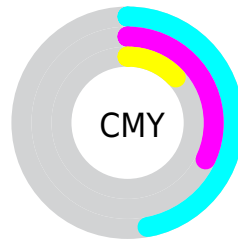
- Red (53%)
- Green (68%)
- Blue (87%)



- Red (53%)
- Yellow (64%)
- Blue (87%)



- Cyan (39%)
- Magenta (21%)
- Yellow (0%)
- Black (13%)



- Cyan (47%)
- Magenta (32%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.1789, 40.6435, 74.2393 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 38.1789, 40.6435, 74.2393 by changing the saturation by 10% instead.

■ 38.1789, 40.6435,
74.2393

■ 38.1789, 40.6435,
74.2393

329.6544,
348.8284, 494.4843

■ 26.2994, 28.0406,
54.4919

■ 71.6844, 76.1424,
126.9721

■ 17.1816, 18.3563,
38.5993

■ 94.0411, 99.8073,
160.7947

■ 10.4602, 11.2061,
26.1427

■ 120.6209,
127.9282, 200.1461

■ 5.7697, 6.2056,
16.7037

151.7893,
160.8897, 245.4449

■ 2.7449, 2.9705,
9.8637

187.9114,
199.0760, 297.1095

■ 1.0203, 1.1164,
5.2043

229.3527,

■ 0.0000, 0.0000,

242.8717, 355.5586

2.3068

276.4786,
292.6610, 421.2107

■ 0.0000, 0.0000,
0.7350

■ 0.0000, 0.0000,
0.0000

■ 38.1789, 40.6435,
74.2393

■ 38.1789, 40.6435,
74.2393

■ 32.7561, 34.5392,
73.3476

■ 44.5522, 47.5510,
75.2374

■ 28.2284, 29.1988,
72.5554

■ 51.9193, 55.2894,
76.3428

■ 24.5400, 24.5859,
71.8594

■ 60.3256, 63.8903,
77.5599

■ 21.6269, 20.6585,
71.2549

■ 69.8123, 73.3825,
78.8920

■ 19.4139, 17.3687,
70.7366

■ 80.4183, 83.7931,
80.3425

■ 17.7873, 14.6479,
70.2971

■ 87.3902, 92.6784,
81.6900

■ 17.6299, 14.3777,
70.2533

■ 90.0513, 98.0005,
82.5771

Harmonies

Analogous

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



34.0678, 40.6435, 68.7382



38.1789, 40.6435, 74.2393



42.7378, 40.6435, 70.4941

Triad

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



38.1789, 40.6435, 74.2393



46.9474, 40.6435, 33.8303



31.7549, 40.6435, 31.9850

Complementary

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



38.1789, 40.6435, 74.2393



50.9208, 50.5783, 30.0019

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.



34.7950, 40.6435, 25.4976



38.1789, 40.6435, 74.2393



43.5832, 40.6435, 26.4071

Square

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



38.1789, 40.6435, 74.2393



48.0287, 40.6435, 45.5648



39.0855, 40.6435, 23.6743



30.5459, 40.6435, 42.9683

Rectangle

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



38.1789, 40.6435, 74.2393



45.3818, 40.6435, 63.5950



39.0855, 40.6435, 23.6743



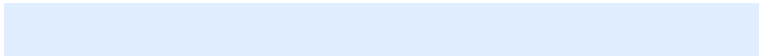
32.5842, 40.6435, 29.2952

Sweetspot

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



38.1802, 40.6451, 74.2403



79.5698, 84.4418, 106.7129



44.1761, 60.1955, 52.9362



16.6988, 17.7348, 22.7930



0.0000, 0.0000, 0.0000



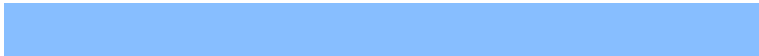
20.3446, 21.4041, 23.3091

Same Dimension

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



38.1802, 40.6451, 74.2403



46.3715, 48.9946, 101.6206



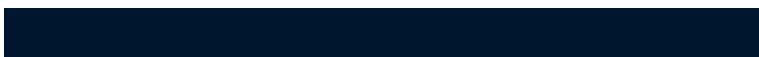
32.1756, 27.9418, 72.1048



12.8226, 13.5849, 16.5985



10.3514, 8.5722, 40.8474



0.7560, 0.7260, 2.6747

Inverse Universe

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



46.1239, 35.7575, 44.5169



59.1648, 42.3258, 53.4813



59.1838, 68.3890, 33.0042



13.3003, 13.1492, 14.8427



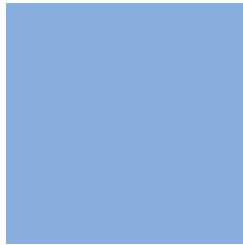
18.7202, 9.4891, 8.1728



1.2559, 0.6320, 0.7563

Previews

White Background



This preview shows how the XYZ color 38.1789, 40.6435, 74.2393 looks on a white background.

Color Contrast Check

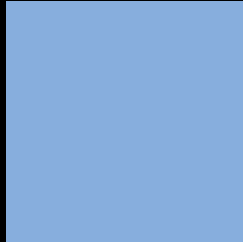
Large Text (above 18pt) WCAG AA × Fail

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 38.1789, 40.6435, 74.2393 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

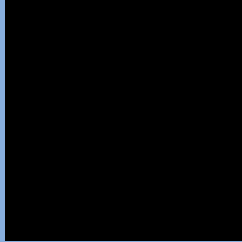
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

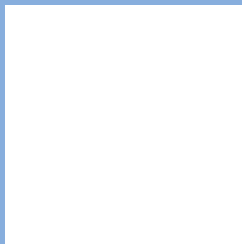
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 38.1789, 40.6435, 74.2393

Background



This preview shows how black text looks on a background with the XYZ color 38.1789, 40.6435, 74.2393.



This preview shows how white text looks on a background with the XYZ color 38.1789, 40.6435,

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

38.1789, 40.6435, 74.2393

Protanopia

40.8129, 40.6548, 71.3417

Deuteranopia

41.4855, 40.6501, 74.7670



Tritanopia

34.6478, 40.6796, 56.4779

Trichromacy



Original Color

38.1789, 40.6435, 74.2393

Protanomaly

39.7955, 40.6718, 72.0827

Deuteranomaly

40.1372, 40.5074, 74.8105

Tritanomaly

35.8617, 40.5814, 62.4428

Monochromacy



Original Color

38.1789, 40.6435, 74.2393

Achromatopsia

37.2190, 39.1572, 42.6422

Achromatomaly

37.0547, 39.4052, 52.6667

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.1789, 40.6435, 74.2393 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, 174, 221)` looks like.

```
.text, #text, p{  
    color:rgb(135, 174, 221)  
}
```

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, 174, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 174, 221) }
```

Border

The CSS property to change the border of an element to XYZ 38.1789, 40.6435, 74.2393 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, 174, 221) }
```


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

```
.border{ border-color:rgb(135, 174, 221) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 174, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 174, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 174, 221);  
box-shadow:4px 4px 4px 4px rgb(135, 174,  
221) }
```

Background

The CSS property to change the background color of an element to XYZ 38.1789, 40.6435, 74.2393 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 174, 221) }
```

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

```
.background{ background-color: rgb(135,  
174, 221) }
```

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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