

Converting Colors

XYZ(40.5750, 43.1199, 74.1122)

Have a look what the booklet for
XYZ(40.5750, 43.1199, 74.1122)
contains.

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Color

**XYZ(40.5157, 43.0278,
73.8799)**

Conversions

Conversions Part 1

Format	Color
Hex	91B2DC
RGB	145, 178, 220
RGB Percent	57%, 70%, 86%
CMY	0.4314, 0.3019, 0.1373
CMYK	0.34, 0.19, 0.00, 0.14
HSL	214°, 52%, 72%
HSV	214°, 34%, 86%
XYZ	40.5157, 43.0278, 73.8799
YIQ	172.9210, -33.1500, 6.0660

Conversions

Conversions Part 2

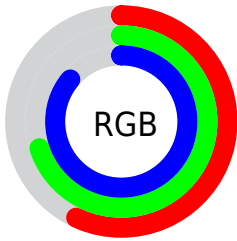
Format	Color
RYB	145, 168, 220
Decimal	9548508
CIELab	71.57, -1.18, -24.76
CIELCh	72, 24.785, 267.281
Yxy	43.0278, 0.2574, 0.2733
Android (android.graphics.Color)	4287738588 (0xFF91B2DC)
YUV	172.9210, 23.2099, -24.4867
Hunter-Lab	65.5956, -4.5401, -20.8611

Details

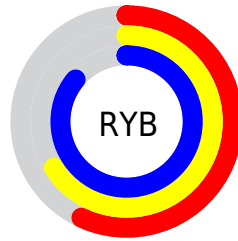
The XYZ color **40.5157, 43.0278, 73.8799** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **52.3972, 52.8014, 34.2195**, and the grayscale version is **39.5789, 41.6401, 45.3461**.

A 20% lighter version of the original color is **71.5602, 78.4831, 105.9849**, and **18.6660, 19.9136, 38.4572** is the 20% darker color. If you saturate the color by 10%, you get **34.6660, 36.5360, 72.9359**, and if you desaturate by 10%, it is **47.3390, 50.3502, 74.9344**.

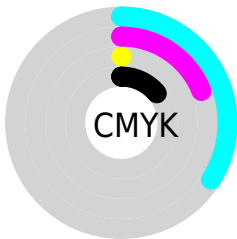
Distribution



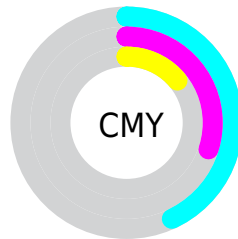
- Red (57%)
- Green (70%)
- Blue (86%)



- Red (57%)
- Yellow (66%)
- Blue (86%)



- Cyan (34%)
- Magenta (19%)
- Yellow (0%)
- Black (14%)



- Cyan (43%)
- Magenta (30%)
- Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 40.5157, 43.0278, 73.8799 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 40.5157, 43.0278, 73.8799 by changing the saturation by 10% instead.

■ 40.5157, 43.0278,
73.8799

■ 40.5157, 43.0278,
73.8799

339.3897,
358.7261, 493.2111

■ 28.1269, 29.9069,
54.1996

■ 75.2275, 79.7528,
126.4580

■ 18.5622, 19.7680,
38.3670

■ 98.2812, 104.1257,
160.1929

■ 11.4565, 12.2265,
25.9636

125.6206,
133.0181, 199.4496

■ 6.4443, 6.8981,
16.5709

157.6109,
166.8144, 244.6468

■ 3.1603, 3.3985,
9.7703

194.6177,
205.8989, 296.2031

■ 1.2391, 1.3431,
5.1433

237.0061,

■ 0.1369, 0.1742,

250.6561, 354.5368

2.2714

285.1417,
301.4704, 420.0666

■ 0.0000, 0.0000,
0.7151

■ 0.0000, 0.0000,
0.0000

■ 40.5157, 43.0278,
73.8799

■ 40.5157, 43.0278,
73.8799

■ 34.6660, 36.5360,
72.9359

■ 47.3390, 50.3502,
74.9344

■ 29.7364, 30.8359,
72.0955

■ 55.1772, 58.5300,
76.1001

■ 25.6744, 25.8924,
71.3554

■ 64.0744, 67.5986,
77.3816

■ 22.4199, 21.6652,
70.7110

■ 74.0703, 77.5844,
78.7822

■ 19.9037, 18.1089,
70.1572

■ 85.2015, 88.5136,
80.3051

■ 18.0432, 15.1706,
69.6881

■ 88.9443, 95.9992,
81.5527

■ 17.1749, 13.6804,
69.4462

■ 89.9184, 97.9474,
81.8774

Harmonies

Analogous

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



36.6951, 43.0278, 69.0643



40.5157, 43.0278, 73.8799



44.7013, 43.0278, 70.4915

Triad

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



40.5157, 43.0278, 73.8799



48.4822, 43.0278, 37.0509



34.4866, 43.0278, 35.4534

Complementary

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



40.5157, 43.0278, 73.8799



52.3972, 52.8014, 34.2195

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.



37.3143, 43.0278, 29.1912



40.5157, 43.0278, 73.8799



45.4072, 43.0278, 29.9969

Square

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



40.5157, 43.0278, 73.8799



49.4825, 43.0278, 47.9529



41.2799, 43.0278, 27.3770



33.3662, 43.0278, 45.7641

Rectangle

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



40.5157, 43.0278, 73.8799



47.1052, 43.0278, 64.3089



41.2799, 43.0278, 27.3770



35.2591, 43.0278, 32.8768

Sweetspot

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



40.5171, 43.0295, 73.8809



81.8954, 86.7055, 107.0272



46.1609, 60.7629, 55.8905



17.1598, 18.1808, 22.8548



0.0000, 0.0000, 0.0000



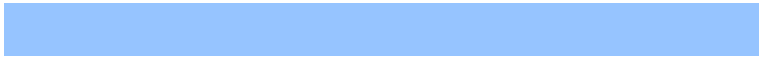
20.3446, 21.4041, 23.3091

Same Dimension

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



40.5171, 43.0295, 73.8809



50.5530, 53.4314, 102.2566



35.3938, 31.7856, 71.9806



12.8078, 13.5553, 16.5935



10.1866, 8.2427, 40.7925



0.7448, 0.7037, 2.6710

Inverse Universe

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



47.6776, 38.6821, 47.0747



62.2338, 47.2228, 58.3302



59.0977, 67.8686, 36.7746



13.2928, 13.1462, 14.8034



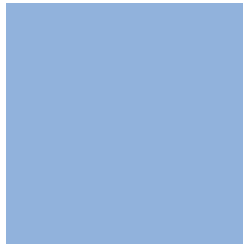
18.6371, 9.4559, 7.7348



1.2502, 0.6297, 0.7267

Previews

White Background



This preview shows how the XYZ color 40.5157, 43.0278, 73.8799 looks on a white background.

Color Contrast Check

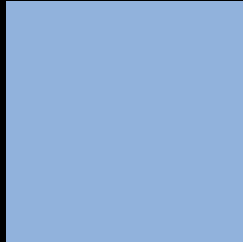
Large Text (above 18pt) WCAG AA × Fail

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 40.5157, 43.0278, 73.8799 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

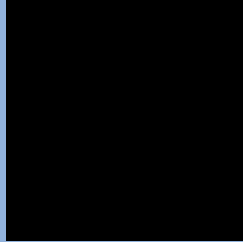
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

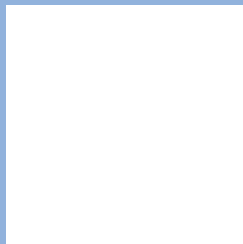
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 40.5157, 43.0278, 73.8799

Background



This preview shows how black text looks on a background with the XYZ color 40.5157, 43.0278, 73.8799.



This preview shows how white text looks on a background with the XYZ color 40.5157, 43.0278,

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

40.5157, 43.0278, 73.8799

Protanopia

42.9850, 42.8962, 71.6599

Deuteranopia

43.9521, 43.0503, 74.3996



Tritanopia

37.6212, 43.0626, 59.1524

Trichromacy



Original Color

40.5157, 43.0278, 73.8799

Protanomaly

42.0854, 42.9910, 72.4096

Deuteranomaly

42.6844, 42.9661, 74.4502

Tritanomaly

38.6986, 43.2063, 64.0576

Monochromacy



Original Color

40.5157, 43.0278, 73.8799

Achromatopsia

39.7200, 41.7885, 45.5077

Achromatomaly

39.7285, 42.1642, 54.7598

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.5157, 43.0278, 73.8799 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(145, 178, 220)` looks like.

```
.text, #text, p{  
    color:rgb(145, 178, 220)  
}
```

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(145, 178, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(145, 178, 220) }
```

Border

The CSS property to change the border of an element to XYZ 40.5157, 43.0278, 73.8799 is called "border". The border property can be set on classes, ids or directly on the HTML element.

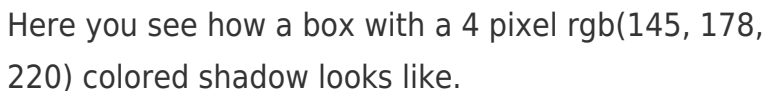
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(145, 178, 220) }
```


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

```
.border{ border-color:rgb(145, 178, 220) }
```

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



Here you see how a box with a 4 pixel `rgb(145, 178, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(145, 178, 220); -webkit-box-shadow:4px 4px 4px 4px rgb(145, 178, 220); box-shadow:4px 4px 4px 4px rgb(145, 178, 220) }
```

Background

The CSS property to change the background color of an element to XYZ 40.5157, 43.0278, 73.8799 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(145, 178, 220) }
```

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

```
.background{ background-color: rgb(145,  
178, 220) }
```

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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