

Converting Colors

XYZ(43.3719, 44.4998, 80.8016)

Have a look what the booklet for
XYZ(43.3719, 44.4998, 80.8016)
contains.

XYZ(43.5399, 44.7257, 81.2010)	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(43.5399, 44.7257,
81.2010)**

Conversions

Conversions Part 1

Format	Color
Hex	99B3E6
RGB	153, 179, 230
RGB Percent	60%, 70%, 90%
CMY	0.4000, 0.2980, 0.0980
CMYK	0.33, 0.22, 0.00, 0.10
HSL	220°, 61%, 75%
HSV	220°, 33%, 90%
XYZ	43.5399, 44.7257, 81.2010
YIQ	177.0400, -31.8670, 10.3490

Conversions

Conversions Part 2

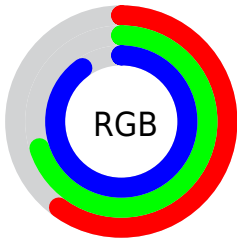
Format	Color
R _Y B	153, 172, 230
Decimal	10073062
CIE Lab	72.71, 3.06, -28.42
CIE LCh	73, 28.584, 276.150
Yxy	44.7257, 0.2569, 0.2639
Android (android.graphics.Color)	4288263142 (0xFF99B3E6)
YUV	177.0400, 26.1093, -21.0831
Hunter-Lab	66.8773, -0.8243, -25.1746

Details

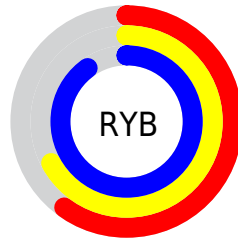
The XYZ color **43.5399, 44.7257, 81.2010** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **59.9766, 62.3094, 39.0043**, and the grayscale version is **41.6914, 43.8626, 47.7663**.

A 20% lighter version of the original color is **74.0528, 80.1920, 106.1833**, and **20.2464, 20.6304, 42.9594** is the 20% darker color. If you saturate the color by 10%, you get **36.7238, 36.9279, 80.0559**, and if you desaturate by 10%, it is **51.5329, 53.6329, 82.4998**.

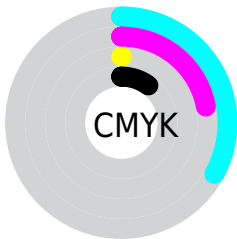
Distribution



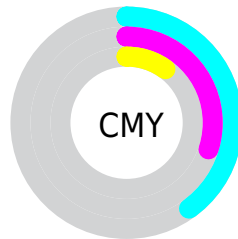
- Red (60%)
- Green (70%)
- Blue (90%)



- Red (60%)
- Yellow (67%)
- Blue (90%)



- Cyan (33%)
- Magenta (22%)
- Yellow (0%)
- Black (10%)



- Cyan (40%)
- Magenta (30%)
- Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 43.5399, 44.7257, 81.2010 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 43.5399, 44.7257, 81.2010 by changing the saturation by 10% instead.

■ 43.5399, 44.7257,
81.2010

■ 43.5399, 44.7257,
81.2010

351.7114,
365.6615, 518.7842

■ 30.5053, 31.2414,
60.1752

■ 79.7756, 82.3086,
136.8796

■ 20.3724, 20.7828,
43.1336

■ 103.7074,
107.1761, 172.3694

■ 12.7759, 12.9653,
29.6578

132.0024,
136.6067, 213.5177

■ 7.3503, 7.4047,
19.3292

165.0258,
170.9850, 260.7429

■ 3.7304, 3.7164,
11.7291

203.1431,
210.6951, 314.4636

■ 1.5508, 1.5162,
6.4392

246.7195,

■ 0.3600, 0.3001,

256.1217, 375.0984

3.0409

296.1205,
307.6490, 443.0658

■ 0.0000, 0.0000,
1.1155

■ 0.0000, 0.0000,
0.0000

■ 43.5399, 44.7257,
81.2010

■ 43.5399, 44.7257,
81.2010

■ 36.7238, 36.9279,
80.0559

■ 51.5329, 53.6329,
82.4998

■ 31.0211, 30.1877,
79.0555

■ 60.7533, 63.6880,
83.9546

■ 26.3685, 24.4562,
78.1944

■ 71.2537, 74.9340,
85.5719

■ 22.6943, 19.6786,
77.4659

■ 83.0824, 87.4099,
87.3566

■ 19.9164, 15.7932,
76.8623

■ 91.2831, 98.4932,
89.0636

■ 17.9373, 12.7291,
76.3752

■ 16.9837, 11.1145,
76.1138

Harmonies

Analogous

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



38.7709, 44.7257, 78.1816



43.5399, 44.7257, 81.2010



48.3858, 44.7257, 74.2397

Triad

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



43.5399, 44.7257, 81.2010



50.6825, 44.7257, 34.3030



34.3737, 44.7257, 38.4719

Complementary

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



43.5399, 44.7257, 81.2010



59.9766, 62.3094, 39.0043

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.



37.1310, 44.7257, 29.8116



43.5399, 44.7257, 81.2010



46.4830, 44.7257, 27.7523

Square

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



43.5399, 44.7257, 81.2010



52.7110, 44.7257, 45.8320



41.4973, 44.7257, 26.2843



33.7189, 44.7257, 51.6825

Rectangle

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



43.5399, 44.7257, 81.2010



50.9296, 44.7257, 65.5454



41.4973, 44.7257, 26.2843



35.0743, 44.7257, 35.0184

Sweetspot

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



43.5414, 44.7274, 81.2020



81.1296, 85.1739, 106.7720



52.2203, 67.6811, 66.8438



16.9751, 17.8114, 22.7932



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.



43.5414, 44.7274, 81.2020



49.0513, 49.7211, 101.6196



41.0991, 36.4483, 79.7327



13.9786, 14.6786, 18.2408



9.7165, 6.4950, 43.1247



0.8014, 0.6468, 3.2146

Inverse Universe

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



52.1623, 42.8616, 48.1735



61.6483, 47.6493, 53.2106



63.0958, 73.8693, 41.0712



14.5768, 14.4479, 15.9717



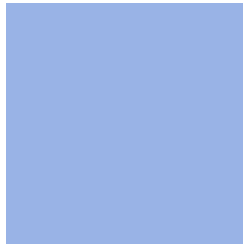
19.2979, 9.8534, 5.1979



1.4682, 0.7450, 0.6059

Previews

White Background



This preview shows how the XYZ color 43.5399, 44.7257, 81.2010 looks on a white background.

Color Contrast Check

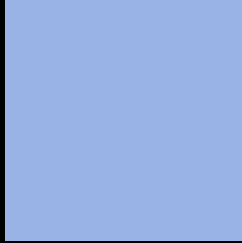
Large Text (above 18pt) WCAG AA × Fail

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 43.5399, 44.7257, 81.2010 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 43.5399, 44.7257, 81.2010

Background



This preview shows how black text looks on a background with the XYZ color 43.5399, 44.7257, 81.2010.



This preview shows how white text looks on a background with the XYZ color 43.5399, 44.7257,

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

43.5399, 44.7257, 81.2010

Protanopia

45.0460, 44.6514, 79.6432

Deuteranopia

45.6901, 44.6450, 81.8105



Tritanopia

39.5118, 44.9324, 60.6232

Trichromacy



Original Color

43.5399, 44.7257, 81.2010

Protanomaly

44.5629, 44.6785, 80.4038

Deuteranomaly

44.8494, 44.5016, 81.8271

Tritanomaly

40.9608, 44.9097, 67.4823

Monochromacy



Original Color

43.5399, 44.7257, 81.2010

Achromatopsia

41.7894, 43.9657, 47.8787

Achromatomaly

42.0326, 44.1511, 58.5312

CSS Examples

Text

The CSS property to change the color of the text to XYZ 43.5399, 44.7257, 81.2010 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(153, 179, 230)` looks like.

```
.text, #text, p{  
    color:rgb(153, 179, 230)  
}
```

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(153, 179, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 179, 230) }
```

Border

The CSS property to change the border of an element to XYZ 43.5399, 44.7257, 81.2010 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(153, 179, 230) }
```


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

```
.border{ border-color:rgb(153, 179, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 179, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(153, 179, 230); -webkit-box-shadow:4px 4px 4px 4px rgb(153, 179, 230); box-shadow:4px 4px 4px 4px rgb(153, 179, 230) }
```

Background

The CSS property to change the background color of an element to XYZ 43.5399, 44.7257, 81.2010 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 179, 230) }
```

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

```
.background{ background-color: rgb(153,  
179, 230) }
```

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