

Converting Colors

XYZ(43.5540, 49.8239, 82.3386)

Have a look what the booklet for
XYZ(43.5540, 49.8239, 82.3386)
contains.

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Color

**XYZ(43.4709, 49.7299,
82.1706)**

Conversions

Conversions Part 1

Format	Color
Hex	85C3E6
RGB	133, 195, 230
RGB Percent	52%, 76%, 90%
CMY	0.4784, 0.2353, 0.0980
CMYK	0.42, 0.15, 0.00, 0.10
HSL	202°, 66%, 71%
HSV	202°, 42%, 90%
XYZ	43.4709, 49.7299, 82.1706
YIQ	180.4520, -48.1870, -2.2590

Conversions

Conversions Part 2

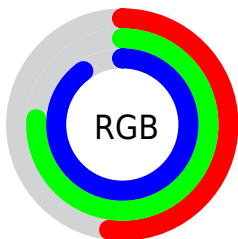
Format	Color
RYB	133, 171, 230
Decimal	8766438
CIELab	75.90, -10.90, -23.63
CIELCh	76, 26.028, 245.239
Yxy	49.7299, 0.2479, 0.2836
Android (android.graphics.Color)	4286956518 (0xFF85C3E6)
YUV	180.4520, 24.4272, -41.6154
Hunter-Lab	70.5194, -13.3747, -19.7223

Details

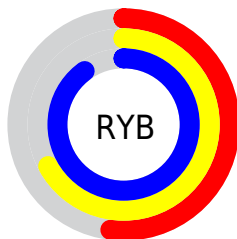
The XYZ color **43.4709, 49.7299, 82.1706** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **50.8705, 46.5229, 28.4905**, and the grayscale version is **43.5179, 45.7843, 49.8591**.

A 20% lighter version of the original color is **74.0956, 87.7880, 107.6473**, and **20.2254, 23.6835, 43.5498** is the 20% darker color. If you saturate the color by 10%, you get **38.4217, 44.4439, 81.4173**, and if you desaturate by 10%, it is **49.4216, 55.6363, 82.9979**.

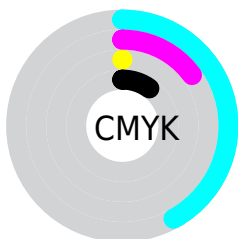
Distribution



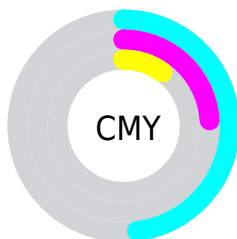
- Red (52%)
- Green (76%)
- Blue (90%)



- Red (52%)
- Yellow (67%)
- Blue (90%)



- Cyan (42%)
- Magenta (15%)
- Yellow (0%)
- Black (10%)



- Cyan (48%)
- Magenta (24%)
- Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 43.4709, 49.7299, 82.1706 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 43.4709, 49.7299, 82.1706 by changing the saturation by 10% instead.

■ 43.4709, 49.7299,
82.1706

■ 43.4709, 49.7299,
82.1706

351.4336,
385.6087, 522.1166

■ 30.4509, 35.1988,
60.9695

■ 79.6723, 89.7746,
138.2520

■ 20.3308, 23.8161,
43.7702

■ 103.5843,
116.0569, 173.9695

■ 12.7454, 15.1972,
30.1540

■ 131.8578,
147.0252, 215.3628

■ 7.3293, 8.9579,
19.7025

164.8580,
183.0638, 262.8506

■ 3.7170, 4.7138,
11.9970

202.9504,
224.5570, 316.8513

■ 1.5433, 2.0803,
6.6191

246.5002,

■ 0.3550, 0.6535,

271.8893, 377.7835

3.1503

295.8728,
325.4451, 446.0658

■ 0.0000, 0.0000,
1.1719

■ 0.0000, 0.0000,
0.0000

■ 43.4709, 49.7299,
82.1706

■ 43.4709, 49.7299,
82.1706

■ 38.4217, 44.4439,
81.4173

■ 49.4216, 55.6363,
82.9979

■ 34.2152, 39.7421,
80.7315

■ 56.3184, 62.1851,
83.8985

■ 30.7925, 35.5929,
80.1110

■ 64.2084, 69.4042,
84.8760

■ 28.0842, 31.9578,
79.5521

■ 73.1340, 77.3176,
85.9330

■ 26.0074, 28.7914,
79.0504

■ 83.1351, 85.9483,
87.0718

■ 24.7189, 26.5848,
78.6924

■ 88.1139, 92.1547,
88.0074

■ 90.6783, 97.2837,
88.8622

■ 91.2831, 98.4932,
89.0638

Harmonies

Analogous

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



40.0582, 49.7299, 71.0480



43.4709, 49.7299, 82.1706



48.1225, 49.7299, 85.3020

Triad

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



43.4709, 49.7299, 82.1706



57.1650, 49.7299, 51.7476



42.0924, 49.7299, 35.1471

Complementary

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



43.4709, 49.7299, 82.1706



50.8705, 46.5229, 28.4905

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.



46.4212, 49.7299, 31.6855



43.4709, 49.7299, 82.1706



55.2920, 49.7299, 40.1650

Square

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



43.4709, 49.7299, 82.1706



56.2418, 49.7299, 66.1098



51.2774, 49.7299, 33.3522



39.3013, 49.7299, 43.7228

Rectangle

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



43.4709, 49.7299, 82.1706



51.3517, 49.7299, 82.0467



51.2774, 49.7299, 33.3522



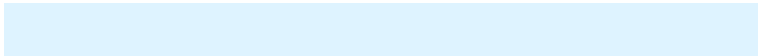
43.4045, 49.7299, 33.4203

Sweetspot

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



43.4725, 49.7318, 82.1718



80.1905, 86.8504, 107.1451



44.9414, 64.3695, 46.5925



16.6721, 18.1439, 22.8734



0.0000, 0.0000, 0.0000



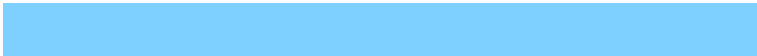
20.3446, 21.4041, 23.3091

Same Dimension

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



43.4725, 49.7318, 82.1718



49.0745, 56.7250, 102.9703



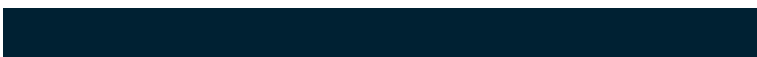
34.4767, 31.7403, 79.1732



14.3472, 15.4158, 18.3637



14.1142, 15.2904, 44.5906



1.1303, 1.3046, 3.3242

Inverse Universe

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



50.8723, 37.5397, 56.1963



59.9618, 40.4724, 64.3751



61.2831, 67.3480, 31.9614



14.7628, 14.5223, 16.9515



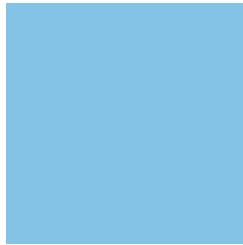
21.5177, 10.7413, 16.8869



1.6342, 0.8114, 1.4800

Previews

White Background



This preview shows how the XYZ color 43.4709, 49.7299, 82.1706 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 43.4709, 49.7299, 82.1706 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 43.4709, 49.7299, 82.1706

Background



This preview shows how black text looks on a background with the XYZ color 43.4709, 49.7299, 82.1706.



This preview shows how white text looks on a background with the XYZ color 43.4709, 49.7299,

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

43.4709, 49.7299, 82.1706

Protanopia

49.0283, 49.4906, 76.7806

Deuteranopia

50.6975, 49.5739, 83.9875



Tritanopia

41.2338, 49.8324, 71.0637

Trichromacy



Original Color

43.4709, 49.7299, 82.1706

Protanomaly

46.8254, 49.5676, 79.0510

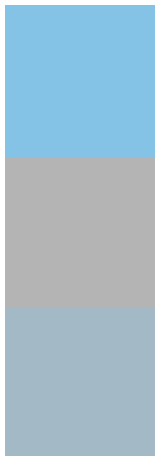
Deuteranomaly

47.6457, 49.2594, 83.3407

Tritanomaly

42.0904, 49.8456, 75.1129

Monochromacy



Original Color

43.4709, 49.7299, 82.1706

Achromatopsia

43.3819, 45.6411, 49.7032

Achromatomaly

42.6463, 46.5617, 60.1657

CSS Examples

Text

The CSS property to change the color of the text to XYZ 43.4709, 49.7299, 82.1706 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(133, 195, 230)` looks like.

```
.text, #text, p{  
    color:rgb(133, 195, 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(133, 195, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 195, 230) }
```

Border

The CSS property to change the border of an element to XYZ 43.4709, 49.7299, 82.1706 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(133, 195, 230) }
```


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

```
.border{ border-color:rgb(133, 195, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 195, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 195, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 195, 230);  
box-shadow:4px 4px 4px 4px rgb(133, 195,  
230) }
```

Background

The CSS property to change the background color of an element to XYZ 43.4709, 49.7299, 82.1706 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 195, 230) }
```

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

```
.background{ background-color: rgb(133,  
195, 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](#).

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