

Converting Colors

XYZ(43.4388, 49.6164, 84.9266)

Have a look what the booklet for
XYZ(43.4388, 49.6164, 84.9266)
contains.

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Color

**XYZ(43.5723, 49.7166,
85.1417)**

Conversions

Conversions Part 1

Format	Color
Hex	82C3EA
RGB	130, 195, 234
RGB Percent	51%, 76%, 92%
CMY	0.4902, 0.2353, 0.0823
CMYK	0.44, 0.17, 0.00, 0.08
HSL	202°, 71%, 71%
HSV	202°, 44%, 92%
XYZ	43.5723, 49.7166, 85.1417
YIQ	180.0110, -51.2590, -1.6510

Conversions

Conversions Part 2

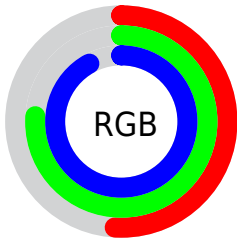
Format	Color
RYB	130, 170, 234
Decimal	8569834
CIELab	75.89, -10.57, -25.82
CIElCh	76, 27.896, 247.741
Yxy	49.7166, 0.2442, 0.2786
Android (android.graphics.Color)	4286759914 (0xFF82C3EA)
YUV	180.0110, 26.6166, -43.8596
Hunter-Lab	70.5100, -13.0868, -22.2364

Details

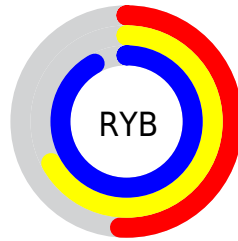
The XYZ color **43.5723, 49.7166, 85.1417** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **52.1500, 47.4812, 27.5368**, and the grayscale version is **43.2711, 45.5246, 49.5763**.

A 20% lighter version of the original color is **73.3539, 87.4056, 107.6125**, and **20.3084, 23.6806, 45.6199** is the 20% darker color. If you saturate the color by 10%, you get **38.4745, 44.2561, 84.3573**, and if you desaturate by 10%, it is **49.6050, 55.8327, 86.0052**.

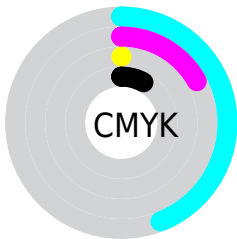
Distribution



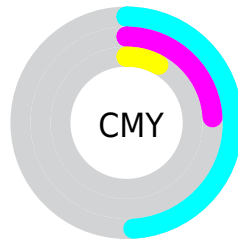
- Red (51%)
- Green (76%)
- Blue (92%)



- Red (51%)
- Yellow (67%)
- Blue (92%)



- Cyan (44%)
- Magenta (17%)
- Yellow (0%)
- Black (8%)



- Cyan (49%)
- Magenta (24%)
- Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 43.5723, 49.7166, 85.1417 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 43.5723, 49.7166, 85.1417 by changing the saturation by 10% instead.

■ 43.5723, 49.7166,
85.1417

■ 43.5723, 49.7166,
85.1417

351.8418,
385.5566, 532.2536

■ 30.5309, 35.1883,
63.4076

■ 79.8241, 89.7548,
142.4471

■ 20.3920, 23.8079,
45.7280

■ 103.7652,
116.0335, 178.8554

■ 12.7902, 15.1912,
31.6841

■ 132.0702,
146.9978, 220.9923

■ 7.3602, 8.9537,
20.8575

165.1046,
183.0320, 269.2763

■ 3.7367, 4.7110,
12.8296

203.2335,
224.5207, 324.1259

■ 1.5543, 2.0787,
7.1820

246.8225,

■ 0.3623, 0.6526,

271.8480, 385.9596

3.4960

296.2368,
325.3986, 455.1960

■ 0.0000, 0.0000,
1.3531

■ 0.0000, 0.0000,
0.1048

■ 43.5723, 49.7166,
85.1417

■ 43.5723, 49.7166,
85.1417

■ 38.4745, 44.2561,
84.3573

■ 49.6050, 55.8327,
86.0052

■ 34.2487, 39.4127,
83.6452

■ 56.6204, 62.6287,
86.9472

■ 30.8314, 35.1518,
83.0028

■ 64.6687, 70.1343,
87.9717

■ 28.1474, 31.4313,
82.4262

■ 73.7950, 78.3756,
89.0814

■ 26.1049, 28.2010,
81.9103

■ 84.0416, 87.3769,
90.2788

■ 25.1694, 26.5765,
81.6460

■ 89.5521, 94.1218,
91.2903

■ 91.8515, 98.7206,
92.0567

Harmonies

Analogous

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



39.7905, 49.7166, 73.5887



43.5723, 49.7166, 85.1417



48.6118, 49.7166, 87.6961

Triad

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



43.5723, 49.7166, 85.1417



57.8535, 49.7166, 50.3721



41.4027, 49.7166, 34.5239

Complementary

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



43.5723, 49.7166, 85.1417



52.1500, 47.4812, 27.5368

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.



45.9220, 49.7166, 30.4558



43.5723, 49.7166, 85.1417



55.5971, 49.7166, 38.4495

Square

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



43.5723, 49.7166, 85.1417



57.1094, 49.7166, 65.7022



51.1378, 49.7166, 31.7482



38.6033, 49.7166, 44.0083

Rectangle

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



43.5723, 49.7166, 85.1417



52.0555, 49.7166, 83.5881



51.1378, 49.7166, 31.7482



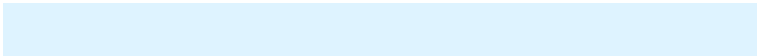
42.7575, 49.7166, 32.5649

Sweetspot

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



43.5739, 49.7185, 85.1429



80.0501, 86.5695, 107.0982



45.7104, 66.4248, 47.5246



16.6373, 18.0743, 22.8618



0.0000, 0.0000, 0.0000



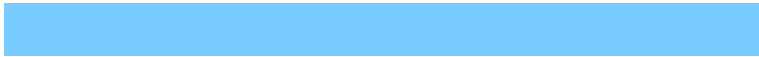
20.3446, 21.4041, 23.3091

Same Dimension

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



43.5739, 49.7185, 85.1429



47.4440, 54.5404, 102.6345



34.0117, 30.5941, 81.9555



15.0156, 16.1176, 19.2418



14.2684, 15.1838, 45.9217



1.2123, 1.3761, 3.6366

Inverse Universe

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



51.7660, 37.3993, 56.1222



58.8760, 39.0319, 61.7590



63.5903, 70.3617, 31.3502



15.4614, 15.2124, 17.7151



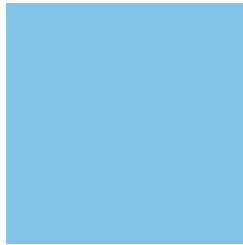
22.0573, 11.0256, 16.6351



1.7784, 0.8843, 1.5505

Previews

White Background



This preview shows how the XYZ color 43.5723, 49.7166, 85.1417 looks on a white background.

Color Contrast Check

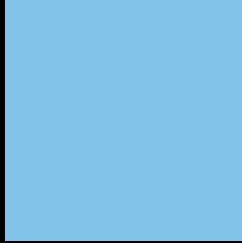
Large Text (above 18pt) WCAG AA × Fail

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 43.5723, 49.7166, 85.1417 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 43.5723, 49.7166, 85.1417

Background



This preview shows how black text looks on a background with the XYZ color 43.5723, 49.7166, 85.1417.



This preview shows how white text looks on a background with the XYZ color 43.5723, 49.7166,

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

43.5723, 49.7166, 85.1417

Protanopia

49.3456, 49.5911, 79.6443

Deuteranopia

50.5796, 49.4464, 86.9990



Tritanopia

40.6439, 49.5283, 71.0361

Trichromacy



Original Color

43.5723, 49.7166, 85.1417

Protanomaly

46.9777, 49.5819, 81.9572

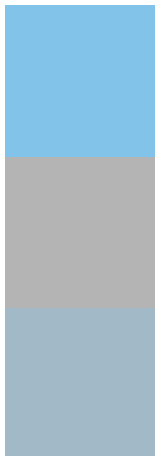
Deuteranomaly

47.6086, 49.1738, 86.3391

Tritanomaly

41.6216, 49.5886, 75.7845

Monochromacy



Original Color

43.5723, 49.7166, 85.1417

Achromatopsia

43.3819, 45.6411, 49.7032

Achromatomaly

42.6746, 46.5494, 61.3793

CSS Examples

Text

The CSS property to change the color of the text to XYZ 43.5723, 49.7166, 85.1417 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(130, 195, 234)` looks like.

```
.text, #text, p{  
    color:rgb(130, 195, 234)  
}
```

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(130, 195, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 195, 234) }
```

Border

The CSS property to change the border of an element to XYZ 43.5723, 49.7166, 85.1417 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(130, 195, 234) }
```


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

```
.border{ border-color:rgb(130, 195, 234) }
```

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

Here you see how a box with a 4 pixel `rgb(130, 195, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(130, 195, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(130, 195, 234);  
box-shadow:4px 4px 4px 4px rgb(130, 195,  
234) }
```

Background

The CSS property to change the background color of an element to XYZ 43.5723, 49.7166, 85.1417 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 195, 234) }
```

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

```
.background{ background-color: rgb(130,  
195, 234) }
```

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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