

Converting Colors

XYZ(45.0465, 49.9793, 83.9086)

Have a look what the booklet for
XYZ(45.0465, 49.9793, 83.9086)
contains.

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Color

**XYZ(44.9631, 49.8058,
83.5876)**

Conversions

Conversions Part 1

Format	Color
Hex	8FC1E8
RGB	143, 193, 232
RGB Percent	56%, 76%, 91%
CMY	0.4392, 0.2431, 0.0902
CMYK	0.38, 0.17, 0.00, 0.09
HSL	206°, 66%, 74%
HSV	206°, 38%, 91%
XYZ	44.9631, 49.8058, 83.5876
YIQ	182.4960, -42.3190, 1.5290

Conversions

Conversions Part 2

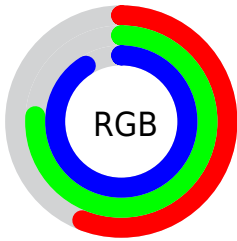
Format	Color
RYB	143, 175, 232
Decimal	9421288
CIELab	75.95, -6.74, -24.59
CIELCh	76, 25.503, 254.665
Yxy	49.8058, 0.2521, 0.2792
Android (android.graphics.Color)	4287611368 (0xFF8FC1E8)
YUV	182.4960, 24.4055, -34.6380
Hunter-Lab	70.5732, -9.7785, -20.8224

Details

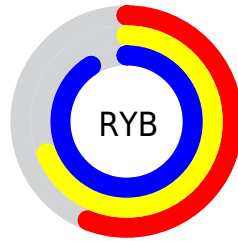
The XYZ color **44.9631, 49.8058, 83.5876** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **54.9654, 52.5956, 33.2429**, and the grayscale version is **44.6227, 46.9465, 51.1248**.

A 20% lighter version of the original color is **75.4789, 87.1135, 107.4442**, and **21.2391, 23.9655, 44.5807** is the 20% darker color. If you saturate the color by 10%, you get **39.1841, 43.6053, 82.6963**, and if you desaturate by 10%, it is **51.7302, 56.7473, 84.5717**.

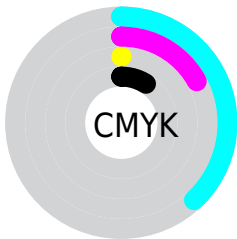
Distribution



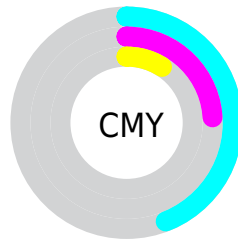
- Red (56%)
- Green (76%)
- Blue (91%)



- Red (56%)
- Yellow (69%)
- Blue (91%)



- Cyan (38%)
- Magenta (17%)
- Yellow (0%)
- Black (9%)



- Cyan (44%)
- Magenta (24%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 44.9631, 49.8058, 83.5876 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 44.9631, 49.8058, 83.5876 by changing the saturation by 10% instead.

■ 44.9631, 49.8058,
83.5876

■ 44.9631, 49.8058,
83.5876

357.4103,
385.9060, 526.9650

■ 31.6295, 35.2591,
62.1316

■ 81.9024, 89.8871,
140.2547

■ 21.2328, 23.8625,
44.7026

■ 106.2389,
116.1905, 176.3029

■ 13.4077, 15.2317,
30.8820

134.9737,
147.1815, 218.0523

■ 7.7888, 8.9822,
20.2513

168.4722,
183.2447, 265.9213

■ 4.0108, 4.7295,
12.3919

207.0998,
224.7643, 320.3285

■ 1.7082, 2.0895,
6.8854

251.2217,

■ 0.4614, 0.6587,

272.1248, 381.6925

3.3132

301.2035,
325.7106, 450.4318

■ 0.0000, 0.0000,
1.2567

■ 0.0000, 0.0000,
0.0259

■ 44.9631, 49.8058,
83.5876

■ 44.9631, 49.8058,
83.5876

■ 39.1841, 43.6053,
82.6963

■ 51.7302, 56.7473,
84.5717

■ 34.3339, 38.1073,
81.8907

■ 59.5309, 64.4543,
85.6481

■ 30.3535, 33.2777,
81.1682

■ 68.4133, 72.9570,
86.8211

■ 27.1745, 29.0764,
80.5249

■ 78.4209, 82.2821,
88.0936

■ 24.7166, 25.4571,
79.9558

■ 88.1062, 91.6874,
89.3986

■ 22.8656, 22.3554,
79.4547

■ 91.2473, 97.9695,
90.4456

■ 22.5938, 21.8825,
79.3777

■ 91.5657, 98.6063,
90.5517

Harmonies

Analogous

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



41.1324, 49.8058, 74.7863



44.9631, 49.8058, 83.5876



49.6903, 49.8058, 83.6933

Triad

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



44.9631, 49.8058, 83.5876



56.7412, 49.8058, 47.8705



41.2013, 49.8058, 37.6647

Complementary

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



44.9631, 49.8058, 83.5876



54.9654, 52.5956, 33.2429

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.



45.0629, 49.8058, 32.6472



44.9631, 49.8058, 83.5876



54.1403, 49.8058, 37.8347

Square

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



44.9631, 49.8058, 83.5876



56.7100, 49.8058, 61.4500



49.7970, 49.8058, 32.7037



39.0616, 49.8058, 47.5990

Rectangle

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



44.9631, 49.8058, 83.5876



52.7291, 49.8058, 78.7293



49.7970, 49.8058, 32.7037



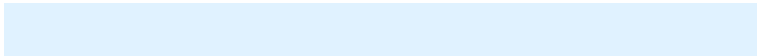
42.3292, 49.8058, 35.4269

Sweetspot

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



44.9647, 49.8077, 83.5888



80.5453, 86.3926, 107.0380



48.5843, 66.9134, 54.3778



16.9282, 18.1937, 22.8695



0.0000, 0.0000, 0.0000



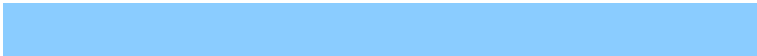
20.3446, 21.4041, 23.3091

Same Dimension

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



44.9647, 49.8077, 83.5888



49.9798, 55.5939, 102.7042



36.6314, 33.1410, 80.8110



14.2512, 15.2238, 18.3317



12.6706, 12.4033, 44.1094



1.0284, 1.1008, 3.2902

Inverse Universe

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



52.7281, 40.6524, 55.5218



61.1367, 43.6915, 62.0870



65.4521, 73.5690, 36.7385



14.7144, 14.5029, 16.6964



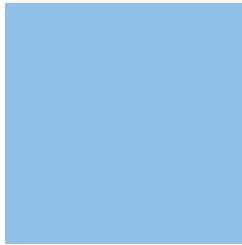
20.7891, 10.4498, 13.0500



1.5827, 0.7908, 1.2092

Previews

White Background



This preview shows how the XYZ color 44.9631, 49.8058, 83.5876 looks on a white background.

Color Contrast Check

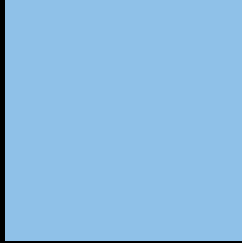
Large Text (above 18pt) WCAG AA × Fail

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 44.9631, 49.8058, 83.5876 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

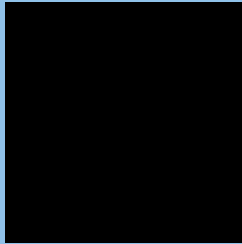
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 44.9631, 49.8058, 83.5876

Background



This preview shows how black text looks on a background with the XYZ color 44.9631, 49.8058, 83.5876.



This preview shows how white text looks on a background with the XYZ color 44.9631, 49.8058,

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

44.9631, 49.8058, 83.5876

Protanopia

49.2079, 49.5360, 78.9194

Deuteranopia

50.6072, 49.5108, 84.7312



Tritanopia

42.1048, 49.6366, 69.6490

Trichromacy



Original Color

44.9631, 49.8058, 83.5876

Protanomaly

47.5039, 49.5672, 80.4625

Deuteranomaly

48.4147, 49.6393, 84.1204

Tritanomaly

43.1165, 49.7201, 74.3423

Monochromacy



Original Color

44.9631, 49.8058, 83.5876

Achromatopsia

44.4628, 46.7784, 50.9417

Achromatomaly

44.1327, 47.6128, 61.5077

CSS Examples

Text

The CSS property to change the color of the text to XYZ 44.9631, 49.8058, 83.5876 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(143, 193, 232)` looks like.

```
.text, #text, p{  
    color:rgb(143, 193, 232)  
}
```

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(143, 193, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(143, 193, 232) }
```

Border

The CSS property to change the border of an element to XYZ 44.9631, 49.8058, 83.5876 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(143, 193, 232) }
```


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

```
.border{ border-color:rgb(143, 193, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(143, 193, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(143, 193, 232); -webkit-box-shadow:4px 4px 4px 4px rgb(143, 193, 232); box-shadow:4px 4px 4px 4px rgb(143, 193, 232) }
```

Background

The CSS property to change the background color of an element to XYZ 44.9631, 49.8058, 83.5876 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(143, 193, 232) }
```

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

```
.background{ background-color: rgb(143,  
193, 232) }
```

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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