

# Converting Colors

XYZ(43.9281, 49.6501, 79.4220)

Have a look what the booklet for  
XYZ(43.9281, 49.6501, 79.4220)  
contains.

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# Color

**XYZ(44.0038, 49.7373,  
79.2325)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	8DC2E2
RGB	141, 194, 226
RGB Percent	55%, 76%, 89%
CMY	0.4470, 0.2392, 0.1137
CMYK	0.38, 0.14, 0.00, 0.11
HSL	203°, 59%, 72%
HSV	203°, 38%, 89%
XYZ	44.0038, 49.7373, 79.2325
YIQ	181.8010, -41.8600, -1.2840

# Conversions

## Conversions Part 2

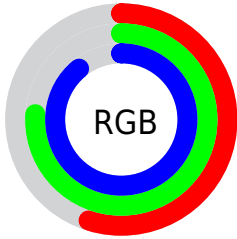
<b>Format</b>	<b>Color</b>
<b>RYB</b>	141, 174, 226
Decimal	9290466
CIELab	75.91, -9.35, -21.43
CIELCh	76, 23.382, 246.421
Yxy	49.7373, 0.2544, 0.2875
Android (android.graphics.Color)	4287480546 (0xFF8DC2E2)
YUV	181.8010, 21.7901, -35.7825
Hunter-Lab	70.5247, -12.0433, -17.2434

# Details

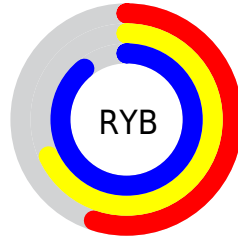
The XYZ color **44.0038, 49.7373, 79.2325** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **51.1163, 47.9800, 31.7678**, and the grayscale version is **44.2581, 46.5630, 50.7071**.

A 20% lighter version of the original color is **75.2616, 87.4615, 107.5228**, and **20.6592, 23.7227, 42.0182** is the 20% darker color. If you saturate the color by 10%, you get **38.7066, 44.2765, 78.4585**, and if you desaturate by 10%, it is **50.1966, 55.8230, 80.0816**.

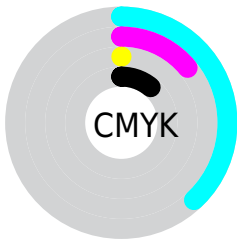
# Distribution



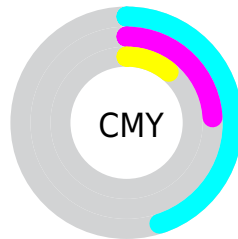
- Red (55%)
- Green (76%)
- Blue (89%)



- Red (55%)
- Yellow (68%)
- Blue (89%)



- Cyan (38%)
- Magenta (14%)
- Yellow (0%)
- Black (11%)



- Cyan (45%)
- Magenta (24%)
- Yellow (11%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 44.0038, 49.7373, 79.2325 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 44.0038, 49.7373, 79.2325 by changing the saturation by 10% instead.



■ 44.0038, 49.7373,  
79.2325

■ 44.0038, 49.7373,  
79.2325

353.5757,  
385.6377, 511.9809

■ 30.8714, 35.2047,  
58.5645

■ 80.4698, 89.7855,  
134.0878

■ 20.6523, 23.8206,  
41.8450

■ 104.5341,  
116.0700, 169.1121

■ 12.9811, 15.2006,  
28.6553

132.9731,  
147.0404, 209.7591

■ 7.4924, 8.9603,  
18.5769

166.1521,  
183.0814, 256.4471

■ 3.8210, 4.7153,  
11.1912

204.4365,  
224.5772, 309.5947

■ 1.6014, 2.0812,  
6.0798

248.1917,

■ 0.3933, 0.6540,

271.9123, 369.6206

2.8241

297.7830,  
325.4710, 436.9431

■ 0.0000, 0.0000,  
1.0055

■ 0.0000, 0.0000,  
0.0000

■ 44.0038, 49.7373,  
79.2325

■ 44.0038, 49.7373,  
79.2325

■ 38.7066, 44.2765,  
78.4585

■ 50.1966, 55.8230,  
80.0816

■ 34.2506, 39.4066,  
77.7534

■ 57.3261, 62.5539,  
81.0051

■ 30.5821, 35.0982,  
77.1151

■ 65.4361, 69.9565,  
82.0065

■ 27.6389, 31.3164,  
76.5403

■ 74.5665, 78.0536,  
83.0881

■ 25.3480, 28.0207,  
76.0249

■ 84.7545, 86.8670,  
84.2523

■ 23.6111, 25.1575,  
75.5638

■ 87.6355, 92.0869,  
85.1080

■ 23.2409, 24.5177,  
75.4598

■ 90.2697, 97.3552,  
85.9861

■ 90.7276, 98.2711,  
86.1387

# Harmonies

## Analogous

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



40.8529, 49.7373, 69.6720



44.0038, 49.7373, 79.2325



48.2161, 49.7373, 81.6423

# Triad

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



44.0038, 49.7373, 79.2325



56.0895, 49.7373, 51.5185



42.4761, 49.7373, 37.0646

# Complementary

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



44.0038, 49.7373, 79.2325



51.1163, 47.9800, 31.7678

# 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.



46.3439, 49.7373, 33.6551



44.0038, 49.7373, 79.2325



54.3346, 49.7373, 41.1328

# Square

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



44.0038, 49.7373, 79.2325



55.3682, 49.7373, 64.3223



50.7019, 49.7373, 35.0213



40.0095, 49.7373, 45.1207



# Rectangle

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



44.0038, 49.7373, 79.2325



51.0971, 49.7373, 78.5868



50.7019, 49.7373, 35.0213



43.6461, 49.7373, 35.3983

# Sweetspot

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



44.0054, 49.7392, 79.2337



82.1961, 88.5095, 107.3596



45.6446, 63.0415, 48.8777



17.2786, 18.6581, 22.9406



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

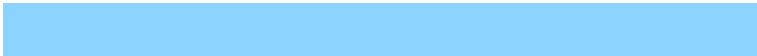


# Same Dimension

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



44.0054, 49.7392, 79.2337



52.4013, 59.8050, 103.3894



35.9958, 33.7201, 76.5638



13.6604, 14.6600, 17.4974



13.3765, 14.2225, 43.0886



1.0125, 1.1564, 3.0151



# Inverse Universe

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



50.6279, 39.1151, 55.9226



62.5133, 44.8328, 67.5150



60.3885, 66.5242, 34.8585



14.0648, 13.8436, 16.1115



20.6920, 10.3438, 15.5759

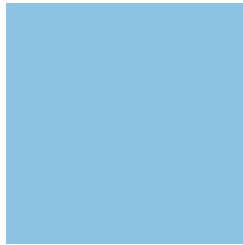


1.4773, 0.7342, 1.3063



# Previews

## White Background



This preview shows how the XYZ color 44.0038, 49.7373, 79.2325 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

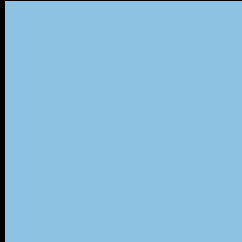
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 44.0038, 49.7373, 79.2325 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

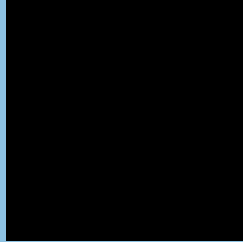
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 44.0038, 49.7373, 79.2325**

## **Background**



This preview shows how black text looks on a background with the XYZ color 44.0038, 49.7373, 79.2325.



This preview shows how white text looks on a background with the XYZ color 44.0038, 49.7373,



# 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

44.0038, 49.7373, 79.2325

### Protanopia

49.0896, 49.5685, 74.6905

### Deuteranopia

50.4655, 49.5357, 80.3003



## Tritanopia

41.9401, 49.5517, 69.6413

# Trichromacy



## Original Color

44.0038, 49.7373, 79.2325

## Protanomaly

46.8939, 49.3474, 76.1607

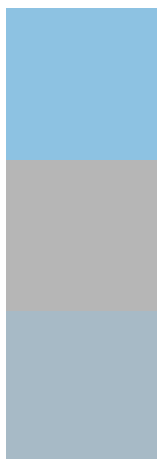
## Deuteranomaly

47.7839, 49.4115, 79.6919

## Tritanomaly

42.5207, 49.4432, 72.9481

# Monochromacy



## Original Color

44.0038, 49.7373, 79.2325

## Achromatopsia

44.4628, 46.7784, 50.9417

## Achromatomaly

43.6883, 47.4105, 60.2746

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 44.0038, 49.7373, 79.2325 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(141, 194, 226)` looks like.

```
.text, #text, p{  
    color:rgb(141, 194, 226)  
}
```

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(141, 194, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(141, 194, 226) }
```

## Border

The CSS property to change the border of an element to XYZ 44.0038, 49.7373, 79.2325 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(141, 194, 226) }
```



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

```
.border{ border-color:rgb(141, 194, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(141, 194, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(141, 194, 226); -webkit-box-shadow:4px 4px 4px 4px rgb(141, 194, 226); box-shadow:4px 4px 4px 4px rgb(141, 194, 226) }
```

# Background

The CSS property to change the background color of an element to XYZ 44.0038, 49.7373, 79.2325 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(141, 194, 226) }
```

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

```
.background{ background-color: rgb(141,  
194, 226) }
```

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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