

Converting Colors

XYZ(44.4164, 45.2048, 78.1146)

Have a look what the booklet for
XYZ(44.4164, 45.2048, 78.1146)
contains.

XYZ(44.5455, 45.3083, 78.3491)	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(44.5455, 45.3083,
78.3491)**

Conversions

Conversions Part 1

Format	Color
Hex	A1B3E2
RGB	161, 179, 226
RGB Percent	63%, 70%, 89%
CMY	0.3686, 0.2980, 0.1137
CMYK	0.29, 0.21, 0.00, 0.11
HSL	223°, 53%, 76%
HSV	223°, 29%, 89%
XYZ	44.5455, 45.3083, 78.3491
YIQ	178.9760, -25.8150, 10.8010

Conversions

Conversions Part 2

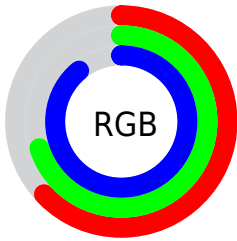
Format	Color
RYB	161, 175, 226
Decimal	10597346
CIELab	73.09, 4.35, -25.61
CIELCh	73, 25.977, 279.648
Yxy	45.3083, 0.2648, 0.2694
Android (android.graphics.Color)	4288787426 (0xFFA1B3E2)
YUV	178.9760, 23.1828, -15.7650
Hunter-Lab	67.3114, 0.3331, -21.8943

Details

The XYZ color **44.5455, 45.3083, 78.3491** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **60.3536, 63.8541, 42.8636**, and the grayscale version is **42.7264, 44.9515, 48.9522**.

A 20% lighter version of the original color is **76.3736, 81.3884, 106.2919**, and **20.9959, 21.0501, 41.4846** is the 20% darker color. If you saturate the color by 10%, you get **37.3130, 37.0035, 77.1281**, and if you desaturate by 10%, it is **52.9922, 54.8173, 79.7401**.

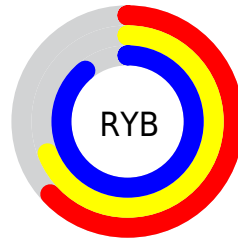
Distribution



Red (63%)

Green (70%)

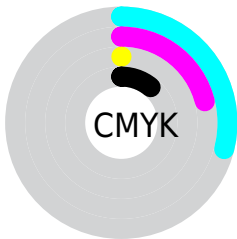
Blue (89%)



Red (63%)

Yellow (69%)

Blue (89%)

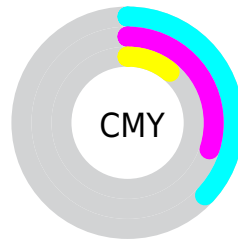


Cyan (29%)

Magenta (21%)

Yellow (0%)

Black (11%)



Cyan (37%)

Magenta (30%)

Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 44.5455, 45.3083, 78.3491 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 44.5455, 45.3083, 78.3491 by changing the saturation by 10% instead.

■ 44.5455, 45.3083,
78.3491

■ 44.5455, 45.3083,
78.3491

355.7444,
368.0208, 508.9109

■ 31.2993, 31.7003,
57.8426

■ 81.2792, 83.1829,
132.8325

■ 20.9798, 21.1327,
41.2683

■ 105.4975,
108.2182, 167.6465

■ 13.2216, 13.2210,
28.2075

134.1039,
137.8315, 208.0667

■ 7.6594, 7.5809,
18.2417

167.4637,
172.4072, 254.5118

■ 3.9277, 3.8280,
10.9524

205.9423,
212.3295, 307.4002

■ 1.6613, 1.5778,
5.9211

249.9051,

■ 0.4319, 0.3426,

257.9829, 367.1505

2.7291

299.7173,
309.7519, 434.1812

■ 0.0000, 0.0000,
0.9580

■ 0.0000, 0.0000,
0.0000

■ 44.5455, 45.3083,
78.3491

■ 44.5455, 45.3083,
78.3491

■ 37.3130, 37.0035,
77.1281

■ 52.9922, 54.8173,
79.7401

■ 31.2324, 29.8476,
76.0673

■ 62.7027, 65.5720,
81.3042

■ 26.2424, 23.7888,
75.1609

■ 73.7288, 77.6184,
83.0482

■ 22.2738, 18.7690,
74.4011

■ 86.1183, 90.9984,
84.9778

■ 19.2489, 14.7241,
73.7798

■ 90.7276, 98.2710,
86.1387

■ 17.0777, 11.5813,
73.2876

■ 15.6310, 9.2458,
72.9131

■ 15.4825, 9.0008,
72.8736

Harmonies

Analogous

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



40.0958, 45.3083, 76.7157



44.5455, 45.3083, 78.3491



48.8845, 45.3083, 71.2221

Triad

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



44.5455, 45.3083, 78.3491



50.1496, 45.3083, 35.0246



35.3793, 45.3083, 41.1306

Complementary

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



44.5455, 45.3083, 78.3491



60.3536, 63.8541, 42.8636

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.



37.7253, 45.3083, 32.4625



44.5455, 45.3083, 78.3491



46.1755, 45.3083, 29.3914

Square

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



44.5455, 45.3083, 78.3491



52.2669, 45.3083, 45.2561



41.6161, 45.3083, 28.5441



35.0105, 45.3083, 53.6477

Rectangle

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



44.5455, 45.3083, 78.3491



51.0542, 45.3083, 63.0913



41.6161, 45.3083, 28.5441



35.9546, 45.3083, 37.7362

Sweetspot

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



44.5470, 45.3101, 78.3501



82.0378, 85.7699, 106.8391



53.2293, 66.5043, 69.4382



17.1380, 17.8941, 22.8006



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.



44.5470, 45.3101, 78.3501



52.2384, 52.3297, 101.9551



44.1714, 40.1056, 77.3654



13.2595, 13.8581, 17.3637



8.9185, 5.3066, 41.6026



0.6922, 0.5158, 2.9083

Inverse Universe

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



52.2468, 44.9145, 48.5654



64.1763, 52.1798, 55.6727



60.7577, 70.9515, 44.2122



13.8624, 13.7626, 15.0458



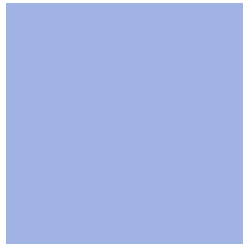
18.4419, 9.4437, 3.7266



1.3156, 0.6695, 0.4549

Previews

White Background



This preview shows how the XYZ color 44.5455, 45.3083, 78.3491 looks on a white background.

Color Contrast Check

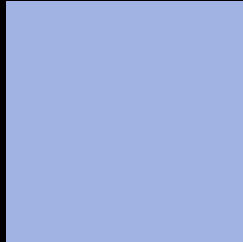
Large Text (above 18pt) WCAG AA × Fail

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 44.5455, 45.3083, 78.3491 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

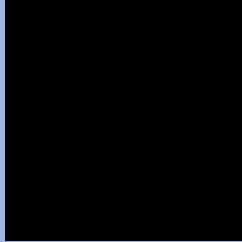
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 44.5455, 45.3083, 78.3491

Background



This preview shows how black text looks on a background with the XYZ color 44.5455, 45.3083, 78.3491.



This preview shows how white text looks on a background with the XYZ color 44.5455, 45.3083,

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

44.5455, 45.3083, 78.3491

Protanopia

45.4612, 45.2054, 77.5636

Deuteranopia

46.4037, 45.3674, 78.9841



Tritanopia

40.9669, 45.3731, 60.6315

Trichromacy



Original Color

44.5455, 45.3083, 78.3491

Protanomaly

45.0281, 45.2764, 77.6001

Deuteranomaly

45.7357, 45.3152, 79.0092

Tritanomaly

42.1412, 45.2274, 66.8303

Monochromacy



Original Color

44.5455, 45.3083, 78.3491

Achromatopsia

42.8472, 45.0786, 49.0906

Achromatomaly

43.0972, 44.9964, 58.6383

CSS Examples

Text

The CSS property to change the color of the text to XYZ 44.5455, 45.3083, 78.3491 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(161, 179, 226)` looks like.

```
.text, #text, p{  
    color:rgb(161, 179, 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(161, 179, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(161, 179, 226) }
```

Border

The CSS property to change the border of an element to XYZ 44.5455, 45.3083, 78.3491 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(161, 179, 226) }
```


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

```
.border{ border-color:rgb(161, 179, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(161, 179, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(161, 179, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(161, 179, 226);  
box-shadow:4px 4px 4px 4px rgb(161, 179,  
226) }
```

Background

The CSS property to change the background color of an element to XYZ 44.5455, 45.3083, 78.3491 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(161, 179, 226) }
```

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

```
.background{ background-color: rgb(161,  
179, 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](#).

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