

Converting Colors

XYZ(41.0553, 46.1319, 77.8452)

Have a look what the booklet for
XYZ(41.0553, 46.1319, 77.8452)
contains.

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Color

**XYZ(41.0338, 45.9634,
77.9433)**

Conversions

Conversions Part 1

Format	Color
Hex	85BBE1
RGB	133, 187, 225
RGB Percent	52%, 73%, 88%
CMY	0.4784, 0.2667, 0.1176
CMYK	0.41, 0.17, 0.00, 0.12
HSL	205°, 61%, 70%
HSV	205°, 41%, 88%
XYZ	41.0338, 45.9634, 77.9433
YIQ	175.1860, -44.3820, 0.3700

Conversions

Conversions Part 2

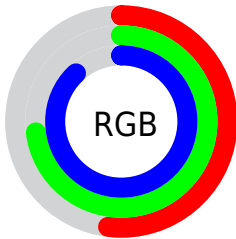
Format	Color
R_{YB}	133, 167, 225
Decimal	8764385
CIE _{Lab}	73.52, -7.97, -24.56
CIE _{LCh}	74, 25.825, 252.013
Y _{xy}	45.9634, 0.2488, 0.2787
Android (android.graphics.Color)	4286954465 (0xFF85BBE1)
YUV	175.1860, 24.5583, -36.9971
Hunter-Lab	67.7963, -10.6062, -20.7064

Details

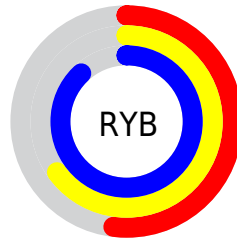
The XYZ color **41.0338, 45.9634, 77.9433** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **49.8490, 46.8280, 28.6032**, and the grayscale version is **40.7384, 42.8599, 46.6745**.

A 20% lighter version of the original color is **71.0869, 82.1400, 106.7157**, and **18.9227, 21.5722, 41.1967** is the 20% darker color. If you saturate the color by 10%, you get **35.9468, 40.5091, 77.1595**, and if you desaturate by 10%, it is **47.0122, 52.0686, 78.8074**.

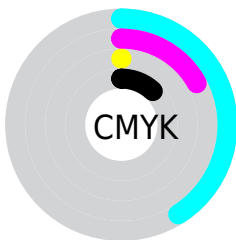
Distribution



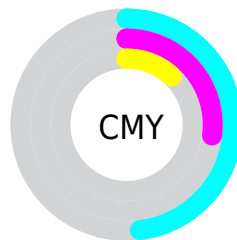
- Red (52%)
- Green (73%)
- Blue (88%)



- Red (52%)
- Yellow (65%)
- Blue (88%)



- Cyan (41%)
- Magenta (17%)
- Yellow (0%)
- Black (12%)



- Cyan (48%)
- Magenta (27%)
- Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 41.0338, 45.9634, 77.9433 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 41.0338, 45.9634, 77.9433 by changing the saturation by 10% instead.

■ 41.0338, 45.9634,
77.9433

■ 41.0338, 45.9634,
77.9433

341.5220,
370.6615, 507.4971

■ 28.5333, 32.2169,
57.5112

■ 76.0096, 84.1642,
132.2553

■ 18.8705, 21.5273,
41.0037

■ 99.2156, 109.3874,
166.9724

■ 11.6802, 13.5100,
28.0023

■ 126.7207,
139.2049, 207.2882

■ 6.5970, 7.7806,
18.0883

158.8905,
174.0011, 253.6212

■ 3.2554, 3.9549,
10.8433

196.0901,
214.1605, 306.3901

■ 1.2902, 1.6484,
5.8487

238.6850,

■ 0.1759, 0.3899,

260.0674, 366.0133

2.6860

287.0405,
312.1063, 432.9095

■ 0.0000, 0.0000,
0.9364

■ 0.0000, 0.0000,
0.0000

■ 41.0338, 45.9634,
77.9433

■ 41.0338, 45.9634,
77.9433

■ 35.9468, 40.5091,
77.1595

■ 47.0122, 52.0686,
78.8074

■ 31.6953, 35.6705,
76.4496

■ 53.9246, 58.8472,
79.7515

■ 28.2236, 31.4160,
75.8114

■ 61.8159, 66.3267,
80.7793

■ 25.4664, 27.7083,
75.2410

■ 70.7268, 74.5313,
81.8933

■ 23.3463, 24.5037,
74.7342

■ 80.6954, 83.4840,
83.0959

■ 21.8512, 21.9572,
74.3215

■ 86.8106, 90.6559,
84.1579

■ 89.6590, 96.3527,
85.1074

■ 90.5908, 98.2163,
85.4180

Harmonies

Analogous

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



37.4884, 45.9634, 68.8127



41.0338, 45.9634, 77.9433



45.5380, 45.9634, 78.8573

Triad

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



41.0338, 45.9634, 77.9433



52.8400, 45.9634, 44.9978



38.0752, 45.9634, 33.6059

Complementary

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



41.0338, 45.9634, 77.9433



49.8490, 46.8280, 28.6032

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.



41.8865, 45.9634, 29.2774



41.0338, 45.9634, 77.9433



50.5334, 45.9634, 35.0456

Square

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



41.0338, 45.9634, 77.9433



52.5719, 45.9634, 58.2113



46.4518, 45.9634, 29.7540



35.8639, 45.9634, 42.6829

Rectangle

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



41.0338, 45.9634, 77.9433



48.5036, 45.9634, 74.5117



46.4518, 45.9634, 29.7540



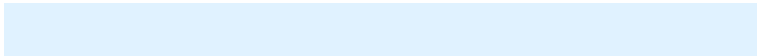
39.2000, 45.9634, 31.6248

Sweetspot

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



41.0353, 45.9652, 77.9444



80.7743, 86.8507, 107.1143



43.8361, 61.7328, 47.5378



16.9822, 18.3016, 22.8874



0.0000, 0.0000, 0.0000



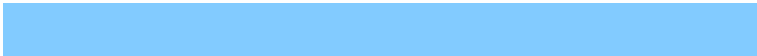
20.3446, 21.4041, 23.3091

Same Dimension

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



41.0353, 45.9652, 77.9444



48.7120, 54.8666, 102.6307



32.9677, 29.8299, 75.2552



13.6172, 14.5736, 17.4830



12.7093, 12.8882, 42.8662



0.9686, 1.0686, 3.0005

Inverse Universe

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



48.4098, 36.3719, 51.4845



60.0555, 41.5690, 61.6030



59.7907, 66.7114, 31.9171



14.0430, 13.8348, 15.9967



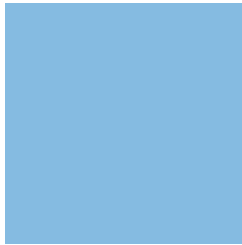
20.3553, 10.2091, 13.8025



1.4551, 0.7253, 1.1896

Previews

White Background



This preview shows how the XYZ color 41.0338, 45.9634, 77.9433 looks on a white background.

Color Contrast Check

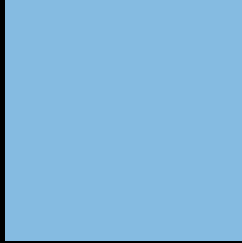
Large Text (above 18pt) WCAG AA × Fail

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 41.0338, 45.9634, 77.9433 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

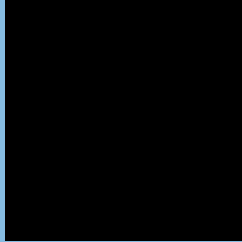
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 41.0338, 45.9634, 77.9433

Background



This preview shows how black text looks on a background with the XYZ color 41.0338, 45.9634, 77.9433.



This preview shows how white text looks on a background with the XYZ color 41.0338, 45.9634,

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

41.0338, 45.9634, 77.9433

Protanopia

45.5012, 45.6132, 73.4239

Deuteranopia

46.8208, 45.8746, 79.0600



Tritanopia

38.4561, 45.8723, 65.2199

Trichromacy



Original Color

41.0338, 45.9634, 77.9433

Protanomaly

43.4796, 45.4363, 74.8851

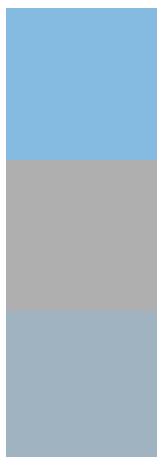
Deuteranomaly

44.3519, 45.8078, 78.4557

Tritanomaly

39.4138, 45.9451, 69.7418

Monochromacy



Original Color

41.0338, 45.9634, 77.9433

Achromatopsia

40.7470, 42.8690, 46.6844

Achromatomaly

40.2429, 43.5640, 56.7397

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.0338, 45.9634, 77.9433 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, 187, 225)` looks like.

```
.text, #text, p{  
    color:rgb(133, 187, 225)  
}
```

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, 187, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 187, 225) }
```

Border

The CSS property to change the border of an element to XYZ 41.0338, 45.9634, 77.9433 is called "border". The border property can be set on classes, ids or directly on the HTML element.

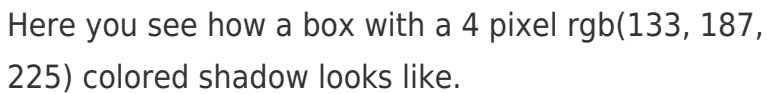
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(133, 187, 225) }
```


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

```
.border{ border-color:rgb(133, 187, 225) }
```

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



Here you see how a box with a 4 pixel `rgb(133, 187, 225)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(133, 187, 225); -webkit-box-shadow:4px 4px 4px 4px rgb(133, 187, 225); box-shadow:4px 4px 4px 4px rgb(133, 187, 225) }
```

Background

The CSS property to change the background color of an element to XYZ 41.0338, 45.9634, 77.9433 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 187, 225) }
```

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

```
.background{ background-color: rgb(133,  
187, 225) }
```

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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