

Converting Colors

XYZ(41.5670, 43.9925, 78.3570)

Have a look what the booklet for
XYZ(41.5670, 43.9925, 78.3570)
contains.

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Color

**XYZ(41.5503, 44.0628,
78.2665)**

Conversions

Conversions Part 1

Format	Color
Hex	90B4E2
RGB	144, 180, 226
RGB Percent	56%, 71%, 89%
CMY	0.4353, 0.2941, 0.1137
CMYK	0.36, 0.20, 0.00, 0.11
HSL	214°, 59%, 73%
HSV	214°, 36%, 89%
XYZ	41.5503, 44.0628, 78.2665
YIQ	174.4800, -36.2220, 6.6740

Conversions

Conversions Part 2

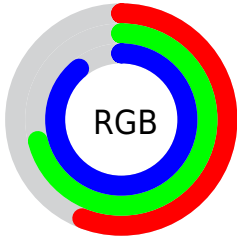
Format	Color
RYB	144, 169, 226
Decimal	9483490
CIELab	72.27, -1.00, -26.97
CIELCh	72, 26.986, 267.872
Yxy	44.0628, 0.2535, 0.2689
Android (android.graphics.Color)	4287673570 (0xFF90B4E2)
YUV	174.4800, 25.3994, -26.7310
Hunter-Lab	66.3798, -4.4330, -23.4412

Details

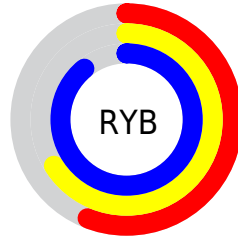
The XYZ color **41.5503, 44.0628, 78.2665** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **54.8124, 55.0101, 34.1160**, and the grayscale version is **40.3668, 42.4691, 46.2488**.

A 20% lighter version of the original color is **71.8649, 79.4903, 106.1632**, and **19.1565, 20.2927, 41.4353** is the 20% darker color. If you saturate the color by 10%, you get **35.5478, 37.3420, 77.2864**, and if you desaturate by 10%, it is **48.5799, 51.6625, 79.3637**.

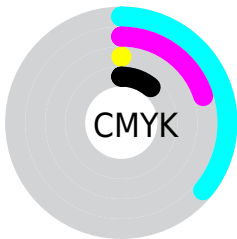
Distribution



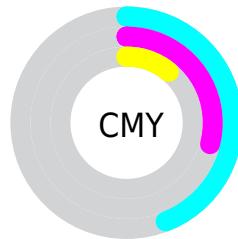
- Red (56%)
- Green (71%)
- Blue (89%)



- Red (56%)
- Yellow (66%)
- Blue (89%)



- Cyan (36%)
- Magenta (20%)
- Yellow (0%)
- Black (11%)



- Cyan (44%)
- Magenta (29%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 41.5503, 44.0628, 78.2665 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 41.5503, 44.0628, 78.2665 by changing the saturation by 10% instead.

■ 41.5503, 44.0628,
78.2665

■ 41.5503, 44.0628,
78.2665

343.6388,
362.9645, 508.6233

■ 28.9389, 30.7199,
57.7752

■ 76.7880, 81.3122,
132.7150

■ 19.1787, 20.3856,
41.2144

■ 100.1450,
105.9875, 167.5093

■ 11.9042, 12.6757,
28.1657

127.8146,
135.2091, 207.9083

■ 6.7502, 7.2056,
18.2105

160.1622,
169.3613, 254.3306

■ 3.3513, 3.5910,
10.9302

197.5530,
208.8285, 307.1947

■ 1.3422, 1.4475,
5.9063

240.3525,

■ 0.2144, 0.2514,

253.9952, 366.9192

2.7203

288.9259,
305.2457, 433.9225

■ 0.0000, 0.0000,
0.9536

■ 0.0000, 0.0000,
0.0000

■ 41.5503, 44.0628,
78.2665

■ 41.5503, 44.0628,
78.2665

■ 35.5478, 37.3420,
77.2864

■ 48.5799, 51.6625,
79.3637

■ 30.5145, 31.4582,
76.4160

■ 56.6817, 60.1705,
80.5789

■ 26.3928, 26.3729,
75.6517

■ 65.9034, 69.6209,
81.9169

■ 23.1165, 22.0419,
74.9884

■ 76.2882, 80.0442,
83.3815

■ 20.6092, 18.4152,
74.4205

■ 87.1358, 91.0875,
84.9413

■ 18.7767, 15.4331,
73.9415

■ 90.7276, 98.2710,
86.1386

■ 18.2106, 14.4569,
73.7829

Harmonies

Analogous

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



37.3177, 44.0628, 72.9976



41.5503, 44.0628, 78.2665



46.1860, 44.0628, 74.2586

Triad

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



41.5503, 44.0628, 78.2665



50.2621, 44.0628, 37.0076



34.7780, 44.0628, 35.6439

Complementary

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



41.5503, 44.0628, 78.2665



54.8124, 55.0101, 34.1160

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.



37.8510, 44.0628, 28.7678



41.5503, 44.0628, 78.2665



46.8005, 44.0628, 29.4470

Square

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



41.5503, 44.0628, 78.2665



51.4316, 44.0628, 48.9309



42.2122, 44.0628, 26.7255



33.5915, 44.0628, 47.0353

Rectangle

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



41.5503, 44.0628, 78.2665



48.8431, 44.0628, 67.2133



42.2122, 44.0628, 26.7255



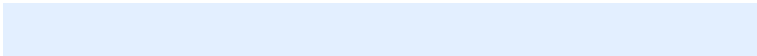
35.6129, 44.0628, 32.8129

Sweetspot

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



41.5517, 44.0645, 78.2675



80.6569, 85.4310, 106.8465



47.8952, 64.0014, 58.0314



16.9118, 17.9245, 22.8184



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.



41.5517, 44.0645, 78.2675



48.2059, 50.7673, 101.8661



35.9328, 31.7441, 76.1856



13.4447, 14.2286, 17.4255



10.5028, 8.4752, 42.1307



0.8160, 0.7635, 2.9496

Inverse Universe

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



49.5767, 39.4119, 48.1761



60.5535, 44.6533, 55.3314



62.3249, 71.9210, 36.9842



13.9559, 13.8000, 15.5382



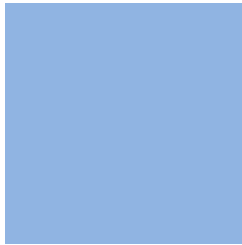
19.2415, 9.7636, 7.9377



1.3781, 0.6945, 0.7841

Previews

White Background



This preview shows how the XYZ color 41.5503, 44.0628, 78.2665 looks on a white background.

Color Contrast Check

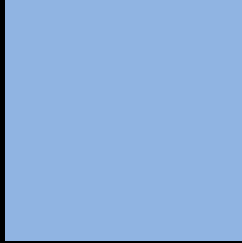
Large Text (above 18pt) WCAG AA × Fail

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 41.5503, 44.0628, 78.2665 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

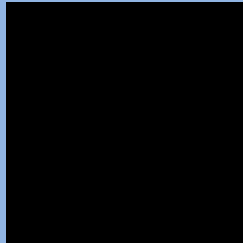
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 41.5503, 44.0628, 78.2665

Background



This preview shows how black text looks on a background with the XYZ color 41.5503, 44.0628, 78.2665.



This preview shows how white text looks on a background with the XYZ color 41.5503, 44.0628,

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

41.5503, 44.0628, 78.2665

Protanopia

44.0318, 43.9332, 75.2665

Deuteranopia

44.9375, 44.0336, 78.8039



Tritanopia

38.2555, 44.2713, 61.1725

Trichromacy



Original Color

41.5503, 44.0628, 78.2665

Protanomaly

42.9461, 43.9401, 76.0298

Deuteranomaly

43.6885, 43.9676, 78.8570

Tritanomaly

39.2573, 44.0459, 66.7542

Monochromacy



Original Color

41.5503, 44.0628, 78.2665

Achromatopsia

40.2316, 42.3268, 46.0938

Achromatomaly

40.2552, 42.6875, 56.5699

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.5503, 44.0628, 78.2665 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(144, 180, 226)` looks like.

```
.text, #text, p{  
    color:rgb(144, 180, 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(144, 180, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 180, 226) }
```

Border

The CSS property to change the border of an element to XYZ 41.5503, 44.0628, 78.2665 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(144, 180, 226) }
```


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

```
.border{ border-color:rgb(144, 180, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(144, 180, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(144, 180, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(144, 180, 226);  
box-shadow:4px 4px 4px 4px rgb(144, 180,  
226) }
```

Background

The CSS property to change the background color of an element to XYZ 41.5503, 44.0628, 78.2665 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(144, 180, 226) }
```

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

```
.background{ background-color: rgb(144,  
180, 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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