

Converting Colors

XYZ(40.6448, 44.0325, 79.0293)

Have a look what the booklet for
XYZ(40.6448, 44.0325, 79.0293)
contains.

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Color

**XYZ(40.7464, 44.2362,
79.0639)**

Conversions

Conversions Part 1

Format	Color
Hex	88B6E3
RGB	136, 182, 227
RGB Percent	53%, 71%, 89%
CMY	0.4667, 0.2863, 0.1098
CMYK	0.40, 0.20, 0.00, 0.11
HSL	210°, 62%, 71%
HSV	210°, 40%, 89%
XYZ	40.7464, 44.2362, 79.0639
YIQ	173.3760, -41.8610, 4.2430

Conversions

Conversions Part 2

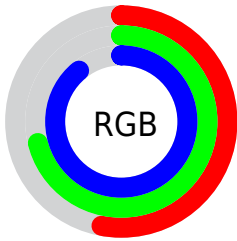
Format	Color
R_{YB}	136, 167, 227
Decimal	8959715
CIE _{Lab}	72.39, -3.96, -27.37
CIE _{LCh}	72, 27.660, 261.761
Yxy	44.2362, 0.2484, 0.2697
Android (android.graphics.Color)	4287149795 (0xFF88B6E3)
YUV	173.3760, 26.4366, -32.7788
Hunter-Lab	66.5103, -7.0380, -23.9236

Details

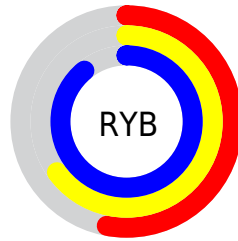
The XYZ color **40.7464, 44.2362, 79.0639** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **52.6473, 51.1572, 30.3935**, and the grayscale version is **39.7981, 41.8707, 45.5972**.

A 20% lighter version of the original color is **70.3628, 79.5755, 106.2588**, and **18.5943, 20.3901, 41.4837** is the 20% darker color. If you saturate the color by 10%, you get **35.2355, 38.1191, 78.1744**, and if you desaturate by 10%, it is **47.2252, 51.1278, 80.0534**.

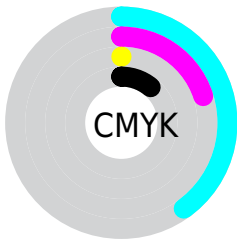
Distribution



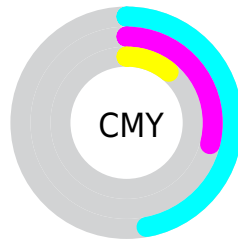
- Red (53%)
- Green (71%)
- Blue (89%)



- Red (53%)
- Yellow (65%)
- Blue (89%)



- Cyan (40%)
- Magenta (20%)
- Yellow (0%)
- Black (11%)



- Cyan (47%)
- Magenta (29%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 40.7464, 44.2362, 79.0639 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 40.7464, 44.2362, 79.0639 by changing the saturation by 10% instead.

■ 40.7464, 44.2362,
79.0639

■ 40.7464, 44.2362,
79.0639

340.3403,
363.6713, 511.3958

■ 28.3078, 30.8562,
58.4267

■ 75.5759, 81.5730,
133.8483

■ 18.6994, 20.4894,
41.7348

■ 98.6975, 106.2987,
168.8326

■ 11.5560, 12.7513,
28.5697

■ 126.1108,
135.5751, 209.4363

■ 6.5122, 7.2575,
18.5128

158.1812,
169.7866, 256.0781

■ 3.2025, 3.6237,
11.1455

195.2739,
209.3175, 309.1764

■ 1.2617, 1.4654,
6.0494

237.7545,

■ 0.1543, 0.2642,

254.5524, 369.1497

2.8059

285.9882,
305.8755, 436.4167

■ 0.0000, 0.0000,
0.9964

■ 0.0000, 0.0000,
0.0000

■ 40.7464, 44.2362,
79.0639

■ 40.7464, 44.2362,
79.0639

■ 35.2355, 38.1191,
78.1744

■ 47.2252, 51.1278,
80.0534

■ 30.6341, 32.7371,
77.3781

■ 54.7170, 58.8204,
81.1434

■ 26.8839, 28.0544,
76.6719

■ 63.2693, 67.3454,
82.3381

■ 23.9167, 24.0292,
76.0514

■ 72.9249, 76.7307,
83.6408

■ 21.6526, 20.6129,
75.5113

■ 83.7243, 87.0028,
85.0543

■ 19.9675, 17.7506,
75.0476

■ 89.0905, 94.7765,
86.2719

■ 90.8653, 98.3261,
86.8635

Harmonies

Analogous

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



36.6279, 44.2362, 71.8416



40.7464, 44.2362, 79.0639



45.5324, 44.2362, 76.8607

Triad

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



40.7464, 44.2362, 79.0639



51.1367, 44.2362, 39.0821



35.2548, 44.2362, 33.6879

Complementary

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



40.7464, 44.2362, 79.0639



52.6473, 51.1572, 30.3935

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.



38.7407, 44.2362, 27.6829



40.7464, 44.2362, 79.0639



47.9719, 44.2362, 30.3632

Square

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



40.7464, 44.2362, 79.0639



51.7752, 44.2362, 52.0229



43.3713, 44.2362, 26.5927



33.6176, 44.2362, 44.5040

Rectangle

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



40.7464, 44.2362, 79.0639



48.4441, 44.2362, 70.4977



43.3713, 44.2362, 26.5927



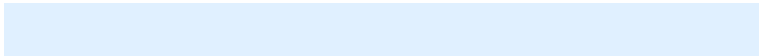
36.2361, 44.2362, 31.1312

Sweetspot

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



40.7478, 44.2379, 79.0649



80.0360, 85.3740, 106.8682



45.8601, 63.4680, 53.0059



16.8084, 17.9540, 22.8295



0.0000, 0.0000, 0.0000



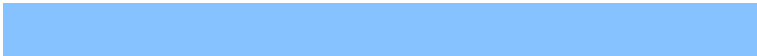
20.3446, 21.4041, 23.3091

Same Dimension

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



40.7478, 44.2379, 79.0649



47.0572, 50.9688, 101.9655



33.0391, 28.8203, 76.4953



14.1820, 15.0853, 18.3086



11.7620, 10.5861, 43.8066



0.9621, 0.9681, 3.2681

Inverse Universe

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



48.9274, 37.3180, 48.8821



59.3638, 41.8421, 56.2658



63.1795, 72.2215, 33.9042



14.6794, 14.4890, 16.5123



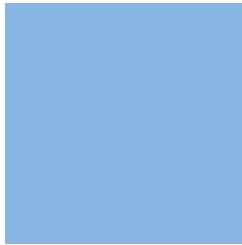
20.3304, 10.2664, 10.6349



1.5493, 0.7774, 1.0329

Previews

White Background



This preview shows how the XYZ color 40.7464, 44.2362, 79.0639 looks on a white background.

Color Contrast Check

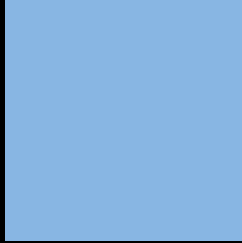
Large Text (above 18pt) WCAG AA × Fail

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 40.7464, 44.2362, 79.0639 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

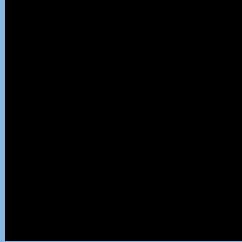
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 40.7464, 44.2362, 79.0639

Background



This preview shows how black text looks on a background with the XYZ color 40.7464, 44.2362, 79.0639.



This preview shows how white text looks on a background with the XYZ color 40.7464, 44.2362,

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

40.7464, 44.2362, 79.0639

Protanopia

44.0318, 43.9332, 75.2665

Deuteranopia

45.2153, 44.1447, 80.2664



Tritanopia

37.3662, 44.4248, 61.8638

Trichromacy



Original Color

40.7464, 44.2362, 79.0639

Protanomaly

42.7014, 44.0926, 76.7811

Deuteranomaly

43.4360, 44.1136, 79.6242

Tritanomaly

38.4975, 44.2566, 67.4861

Monochromacy



Original Color

40.7464, 44.2362, 79.0639

Achromatopsia

39.7200, 41.7885, 45.5077

Achromatomaly

39.6482, 42.3745, 56.5415

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.7464, 44.2362, 79.0639 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(136, 182, 227)` looks like.

```
.text, #text, p{  
    color:rgb(136, 182, 227)  
}
```

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(136, 182, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 182, 227) }
```

Border

The CSS property to change the border of an element to XYZ 40.7464, 44.2362, 79.0639 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(136, 182, 227) }
```


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

```
.border{ border-color:rgb(136, 182, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(136, 182, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(136, 182, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(136, 182, 227);  
box-shadow:4px 4px 4px 4px rgb(136, 182,  
227) }
```

Background

The CSS property to change the background color of an element to XYZ 40.7464, 44.2362, 79.0639 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 182, 227) }
```

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

```
.background{ background-color: rgb(136,  
182, 227) }
```

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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