

Converting Colors

XYZ(40.4730, 42.4851, 79.4669)

Have a look what the booklet for
XYZ(40.4730, 42.4851, 79.4669)
contains.

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Color

**XYZ(40.5409, 42.6212,
79.4888)**

Conversions

Conversions Part 1

Format	Color
Hex	8CB1E4
RGB	140, 177, 228
RGB Percent	55%, 69%, 89%
CMY	0.4510, 0.3059, 0.1059
CMYK	0.39, 0.22, 0.00, 0.11
HSL	215°, 62%, 72%
HSV	215°, 39%, 89%
XYZ	40.5409, 42.6212, 79.4888
YIQ	171.7510, -38.4230, 8.0170

Conversions

Conversions Part 2

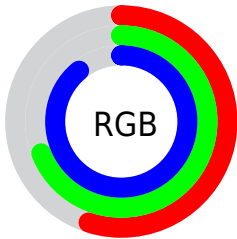
Format	Color
RYB	140, 166, 228
Decimal	9220580
CIELab	71.30, 0.10, -29.57
CIELCh	71, 29.573, 270.184
Yxy	42.6212, 0.2493, 0.2620
Android (android.graphics.Color)	4287410660 (0xFF8CB1E4)
YUV	171.7510, 27.7308, -27.8456
Hunter-Lab	65.2849, -3.4029, -26.4901

Details

The XYZ color **40.5409, 42.6212, 79.4888** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **55.3602, 55.6498, 32.6359**, and the grayscale version is **38.9663, 40.9956, 44.6442**.

A 20% lighter version of the original color is **69.9539, 77.2336, 105.8284**, and **18.6178, 19.6242, 41.8363** is the 20% darker color. If you saturate the color by 10%, you get **34.6051, 35.8733, 78.4999**, and if you desaturate by 10%, it is **47.5282, 50.2882, 80.6012**.

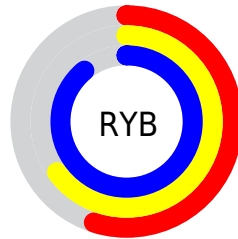
Distribution



Red (55%)

Green (69%)

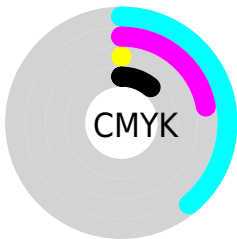
Blue (89%)



Red (55%)

Yellow (65%)

Blue (89%)

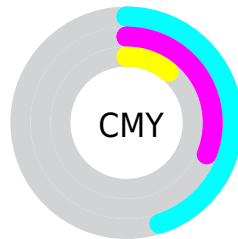


Cyan (39%)

Magenta (22%)

Yellow (0%)

Black (11%)



Cyan (45%)

Magenta (31%)

Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 40.5409, 42.6212, 79.4888 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 40.5409, 42.6212, 79.4888 by changing the saturation by 10% instead.

■ 40.5409, 42.6212,
79.4888

■ 40.5409, 42.6212,
79.4888

339.4936,
357.0516, 512.8696

■ 28.1466, 29.5880,
58.7741

■ 75.2656, 79.1389,
134.4517

■ 18.5772, 19.5261,
42.0125

■ 98.3267, 103.3923,
169.5369

■ 11.4674, 12.0510,
28.7854

125.6741,
132.1544, 210.2494

■ 6.4517, 6.7784,
18.6744

157.6733,
165.8098, 257.0077

■ 3.1649, 3.3239,
11.2608

194.6894,
204.7428, 310.2303

■ 1.2416, 1.3031,
6.1262

237.0879,

■ 0.1388, 0.1436,

249.3379, 370.3358

2.8519

285.2342,
299.9794, 437.7428

■ 0.0000, 0.0000,
1.0195

■ 0.0000, 0.0000,
0.0000

■ 40.5409, 42.6212,
79.4888

■ 40.5409, 42.6212,
79.4888

■ 34.6051, 35.8733,
78.4999

■ 47.5282, 50.2882,
80.6012

■ 29.6598, 29.9997,
77.6269

■ 55.6149, 58.9064,
81.8384

■ 25.6441, 24.9587,
76.8655

■ 64.8509, 68.5122,
83.2058

■ 22.4873, 20.7024,
76.2103

■ 75.2816, 79.1385,
84.7071

■ 20.1073, 17.1761,
75.6551

■ 86.9499, 90.8165,
86.3462

■ 18.3856, 14.3057,
75.1918

■ 91.0037, 98.3815,
87.5927

■ 18.1744, 13.9429,
75.1329

Harmonies

Analogous

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



35.9442, 42.6212, 74.4171



40.5409, 42.6212, 79.4888



45.5048, 42.6212, 74.2967

Triad

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



40.5409, 42.6212, 79.4888



49.3403, 42.6212, 33.9676



32.7752, 42.6212, 34.0915

Complementary

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



40.5409, 42.6212, 79.4888



55.3602, 55.6498, 32.6359

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.



35.8951, 42.6212, 26.5500



40.5409, 42.6212, 79.4888



45.4473, 42.6212, 26.4895

Square

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



40.5409, 42.6212, 79.4888



50.8320, 42.6212, 46.3193



40.4795, 42.6212, 24.0752



31.6897, 42.6212, 46.4953

Rectangle

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



40.5409, 42.6212, 79.4888



48.2986, 42.6212, 66.2193



40.4795, 42.6212, 24.0752



33.6075, 42.6212, 31.0026

Sweetspot

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



40.5423, 42.6228, 79.4898



79.2759, 83.8539, 106.6149



47.8394, 64.7751, 58.6214



16.6298, 17.5968, 22.7700



0.0000, 0.0000, 0.0000



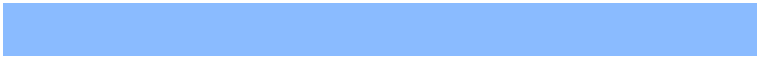
20.3446, 21.4041, 23.3091

Same Dimension

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



40.5423, 42.6228, 79.4898



46.2564, 48.1471, 101.4631



35.2132, 30.4577, 77.4226



14.0784, 14.8781, 18.2741



10.6059, 8.2738, 43.4212



0.8739, 0.7918, 3.2387

Inverse Universe

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



49.3100, 38.4257, 46.4147



59.2573, 42.9397, 52.1903



62.6430, 72.9318, 35.5878



14.6271, 14.4680, 16.2369



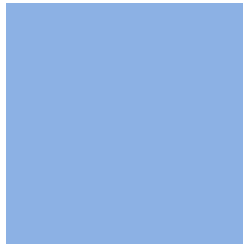
19.7469, 10.0330, 7.5619



1.5048, 0.7596, 0.7985

Previews

White Background



This preview shows how the XYZ color 40.5409, 42.6212, 79.4888 looks on a white background.

Color Contrast Check

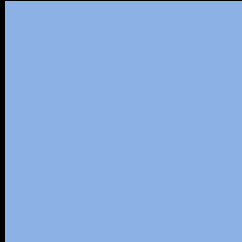
Large Text (above 18pt) WCAG AA × Fail

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 40.5409, 42.6212, 79.4888 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

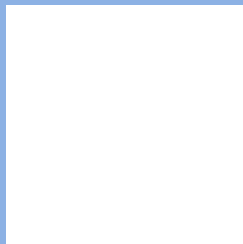
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 40.5409, 42.6212, 79.4888

Background



This preview shows how black text looks on a background with the XYZ color 40.5409, 42.6212, 79.4888.



This preview shows how white text looks on a background with the XYZ color 40.5409, 42.6212,

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

40.5409, 42.6212, 79.4888

Protanopia

42.7043, 42.3604, 76.4466

Deuteranopia

43.4037, 42.3600, 80.0174



Tritanopia

36.5272, 42.8037, 59.1601

Trichromacy



Original Color

40.5409, 42.6212, 79.4888

Protanomaly

41.8635, 42.4807, 77.2273

Deuteranomaly

42.2233, 42.3166, 80.0713

Tritanomaly

37.9007, 42.7527, 65.9290

Monochromacy



Original Color

40.5409, 42.6212, 79.4888

Achromatopsia

39.2122, 41.2543, 44.9259

Achromatomaly

39.1477, 41.5515, 55.8261

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.5409, 42.6212, 79.4888 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(140, 177, 228)` looks like.

```
.text, #text, p{  
    color:rgb(140, 177, 228)  
}
```

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(140, 177, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(140, 177, 228) }
```

Border

The CSS property to change the border of an element to XYZ 40.5409, 42.6212, 79.4888 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(140, 177, 228) }
```


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

```
.border{ border-color:rgb(140, 177, 228) }
```

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

Here you see how a box with a 4 pixel `rgb(140, 177, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(140, 177, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(140, 177, 228);  
box-shadow:4px 4px 4px 4px rgb(140, 177,  
228) }
```

Background

The CSS property to change the background color of an element to XYZ 40.5409, 42.6212, 79.4888 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(140, 177, 228) }
```

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

```
.background{ background-color: rgb(140,  
177, 228) }
```

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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