

Converting Colors

XYZ(41.5061, 43.4508, 84.4939)

Have a look what the booklet for
XYZ(41.5061, 43.4508, 84.4939)
contains.

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Color

**XYZ(41.3970, 43.2422,
84.7620)**

Conversions

Conversions Part 1

Format	Color
Hex	8AB2EB
RGB	138, 178, 235
RGB Percent	54%, 70%, 92%
CMY	0.4588, 0.3019, 0.0784
CMYK	0.41, 0.24, 0.00, 0.08
HSL	215°, 71%, 73%
HSV	215°, 41%, 92%
XYZ	41.3970, 43.2422, 84.7620
YIQ	172.5380, -42.1370, 9.2470

Conversions

Conversions Part 2

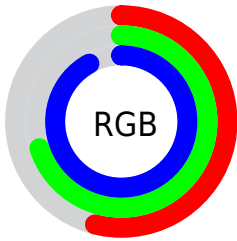
Format	Color
R _Y B	138, 166, 235
Decimal	9089771
CIE Lab	71.72, 0.91, -32.74
CIE LCh	72, 32.756, 271.587
Yxy	43.2422, 0.2444, 0.2553
Android (android.graphics.Color)	4287279851 (0xFF8AB2EB)
YUV	172.5380, 30.7938, -30.2898
Hunter-Lab	65.7588, -2.7072, -30.3927

Details

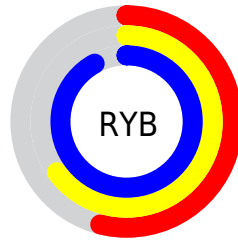
The XYZ color **41.3970, 43.2422, 84.7620** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **58.3646, 58.5287, 32.2673**, and the grayscale version is **39.3505, 41.3998, 45.0844**.

A 20% lighter version of the original color is **69.7210, 77.5350, 105.8988**, and **19.1648, 20.0154, 45.5011** is the 20% darker color. If you saturate the color by 10%, you get **35.3109, 36.2298, 83.7300**, and if you desaturate by 10%, it is **48.6038, 51.2447, 85.9276**.

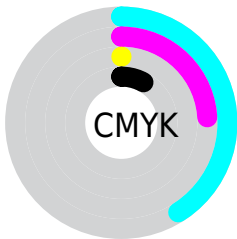
Distribution



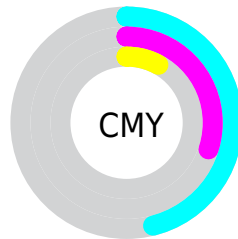
- Red (54%)
- Green (70%)
- Blue (92%)



- Red (54%)
- Yellow (65%)
- Blue (92%)



- Cyan (41%)
- Magenta (24%)
- Yellow (0%)
- Black (8%)



- Cyan (46%)
- Magenta (30%)
- Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 41.3970, 43.2422, 84.7620 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 41.3970, 43.2422, 84.7620 by changing the saturation by 10% instead.

■ 41.3970, 43.2422,
84.7620

■ 41.3970, 43.2422,
84.7620

343.0115,
359.6069, 530.9642

■ 28.8185, 30.0752,
63.0957

■ 76.5571, 80.0762,
141.9118

■ 19.0871, 19.8957,
45.4772

■ 99.8694, 104.5120,
178.2324

■ 11.8376, 12.3192,
31.4878

■ 127.4903,
133.4729, 220.2749

■ 6.7046, 6.9615,
20.7090

159.7851,
167.3432, 268.4578

■ 3.3227, 3.4380,
12.7223

197.1193,
206.5074, 323.1997

■ 1.3266, 1.3645,
7.1091

239.8582,

■ 0.2030, 0.1903,

251.3498, 384.9190

3.4509

288.3671,
302.2548, 454.0343

■ 0.0000, 0.0000,
1.3293

■ 0.0000, 0.0000,
0.0856

■ 41.3970, 43.2422,
84.7620

■ 41.3970, 43.2422,
84.7620

■ 35.3109, 36.2298,
83.7300

■ 48.6038, 51.2447,
85.9276

■ 30.2781, 30.1581,
82.8233

■ 56.9845, 60.2737,
87.2286

■ 26.2304, 24.9801,
82.0372

■ 66.5941, 70.3695,
88.6709

■ 23.0883, 20.6416,
81.3654

■ 77.4827, 81.5687,
90.2586

■ 20.7584, 17.0803,
80.8008

■ 89.5115, 93.8101,
91.9875

■ 19.2617, 14.5306,
80.3875

■ 91.9955, 98.7782,
92.8155

Harmonies

Analogous

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



36.2244, 43.2422, 79.4414



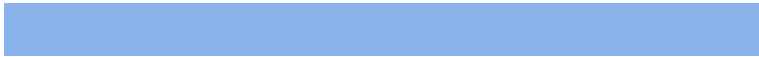
41.3970, 43.2422, 84.7620



46.9533, 43.2422, 78.2465

Triad

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



41.3970, 43.2422, 84.7620



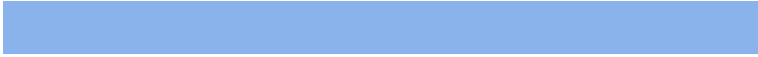
50.8877, 43.2422, 32.8085



32.4030, 43.2422, 33.9757

Complementary

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



41.3970, 43.2422, 84.7620



58.3646, 58.5287, 32.2673

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.



35.7554, 43.2422, 25.5359



41.3970, 43.2422, 84.7620



46.3954, 43.2422, 24.9765

Square

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



41.3970, 43.2422, 84.7620



52.7295, 43.2422, 46.2411



40.8052, 43.2422, 22.6459



31.3207, 43.2422, 47.9359

Rectangle

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



41.3970, 43.2422, 84.7620



50.0512, 43.2422, 68.7634



40.8052, 43.2422, 22.6459



33.2859, 43.2422, 30.5189

Sweetspot

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



41.3985, 43.2438, 84.7630



79.2042, 83.7104, 106.5910



49.9941, 68.7423, 62.0181



16.6129, 17.5631, 22.7644



0.0000, 0.0000, 0.0000



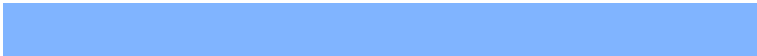
20.3446, 21.4041, 23.3091

Same Dimension

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



41.3985, 43.2438, 84.7630



43.2140, 44.4443, 100.9087



35.9542, 30.2954, 82.5507



14.7414, 15.5692, 19.1505



10.8387, 8.3244, 44.7785



0.9438, 0.8391, 3.5471

Inverse Universe

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



51.3866, 39.0550, 46.9511



57.1402, 39.8667, 47.9048



65.9491, 77.5699, 35.5429



15.3230, 15.1571, 16.9863



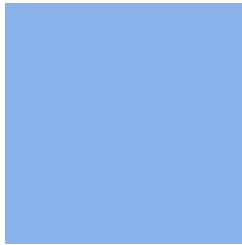
20.3262, 10.3332, 7.5190



1.6429, 0.8301, 0.8369

Previews

White Background



This preview shows how the XYZ color 41.3970, 43.2422, 84.7620 looks on a white background.

Color Contrast Check

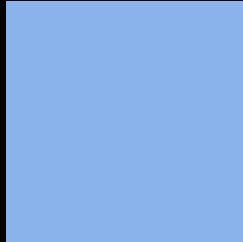
Large Text (above 18pt) WCAG AA × Fail

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 41.3970, 43.2422, 84.7620 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

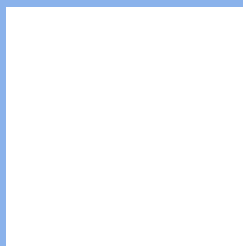
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 41.3970, 43.2422, 84.7620

Background



This preview shows how black text looks on a background with the XYZ color 41.3970, 43.2422, 84.7620.



This preview shows how white text looks on a background with the XYZ color 41.3970, 43.2422,

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

41.3970, 43.2422, 84.7620

Protanopia

43.6654, 43.0276, 81.6050

Deuteranopia

44.1844, 43.2124, 85.3689



Tritanopia

36.7110, 43.4886, 60.4921

Trichromacy



Original Color

41.3970, 43.2422, 84.7620

Protanomaly

42.6580, 43.0654, 82.4081

Deuteranomaly

43.2328, 43.2954, 85.4351

Tritanomaly

38.1273, 43.1149, 68.5998

Monochromacy



Original Color

41.3970, 43.2422, 84.7620

Achromatopsia

39.7200, 41.7885, 45.5077

Achromatomaly

39.7910, 42.1190, 58.2571

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.3970, 43.2422, 84.7620 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(138, 178, 235)` looks like.

```
.text, #text, p{  
    color:rgb(138, 178, 235)  
}
```

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(138, 178, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 178, 235) }
```

Border

The CSS property to change the border of an element to XYZ 41.3970, 43.2422, 84.7620 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(138, 178, 235) }
```


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

```
.border{ border-color:rgb(138, 178, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(138, 178, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 178, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 178, 235);  
box-shadow:4px 4px 4px 4px rgb(138, 178,  
235) }
```

Background

The CSS property to change the background color of an element to XYZ 41.3970, 43.2422, 84.7620 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 178, 235) }
```

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

```
.background{ background-color: rgb(138,  
178, 235) }
```

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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