

Converting Colors

XYZ(42.7347, 43.7804, 84.5388)

Have a look what the booklet for
XYZ(42.7347, 43.7804, 84.5388)
contains.

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Color

**XYZ(42.7502, 43.6455,
84.7685)**

Conversions

Conversions Part 1

Format	Color
Hex	93B1EB
RGB	147, 177, 235
RGB Percent	58%, 69%, 92%
CMY	0.4235, 0.3059, 0.0784
CMYK	0.37, 0.25, 0.00, 0.08
HSL	220°, 69%, 75%
HSV	220°, 37%, 92%
XYZ	42.7502, 43.6455, 84.7685
YIQ	174.6420, -36.4980, 11.6780

Conversions

Conversions Part 2

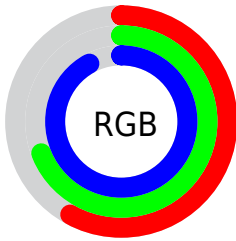
Format	Color
R _Y B	147, 169, 235
Decimal	9679339
CIE Lab	71.99, 3.82, -32.28
CIE LCh	72, 32.504, 276.751
Yxy	43.6455, 0.2498, 0.2550
Android (android.graphics.Color)	4287869419 (0xFF93B1EB)
YUV	174.6420, 29.7565, -24.2420
Hunter-Lab	66.0647, -0.1067, -29.8304

Details

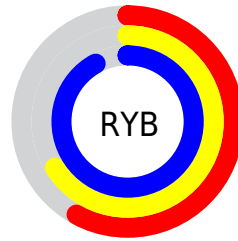
The XYZ color **42.7502, 43.6455, 84.7685** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **61.3599, 63.4327, 36.6152**, and the grayscale version is **40.4287, 42.5341, 46.3196**.

A 20% lighter version of the original color is **71.5352, 77.6297, 105.8215**, and **19.9845, 20.2491, 45.5030** is the 20% darker color. If you saturate the color by 10%, you get **36.0712, 35.9164, 83.6294**, and if you desaturate by 10%, it is **50.6401, 52.5162, 86.0657**.

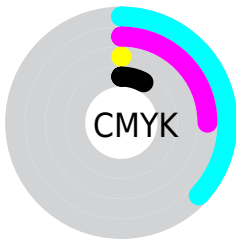
Distribution



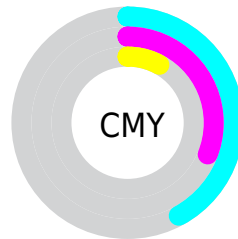
- Red (58%)
- Green (69%)
- Blue (92%)



- Red (58%)
- Yellow (66%)
- Blue (92%)



- Cyan (37%)
- Magenta (25%)
- Yellow (0%)
- Black (8%)



- Cyan (42%)
- Magenta (31%)
- Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.7502, 43.6455, 84.7685 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 42.7502, 43.6455, 84.7685 by changing the saturation by 10% instead.

■ 42.7502, 43.6455,
84.7685

■ 42.7502, 43.6455,
84.7685

348.5224,
361.2597, 530.9863

■ 29.8828, 30.3919,
63.1011

■ 78.5918, 80.6840,
141.9210

■ 19.8973, 20.1363,
45.4815

■ 102.2968,
105.2378, 178.2431

■ 12.4282, 12.4941,
31.4911

130.3450,
134.3270, 220.2872

■ 7.1103, 7.0811,
20.7115

163.1019,
168.3362, 268.4718

■ 3.5781, 3.5129,
12.7241

200.9327,
207.6496, 323.2155

■ 1.4664, 1.4050,
7.1104

244.2028,

■ 0.3028, 0.2204,

252.6518, 384.9368

3.4517

293.2776,
303.7270, 454.0542

■ 0.0000, 0.0000,
1.3297

■ 0.0000, 0.0000,
0.0859

■ 42.7502, 43.6455,
84.7685

■ 42.7502, 43.6455,
84.7685

■ 36.0712, 35.9164,
83.6294

■ 50.6401, 52.5162,
86.0657

■ 30.5344, 29.2735,
82.6391

■ 59.7959, 62.5704,
87.5237

■ 26.0705, 23.6640,
81.7916

■ 70.2742, 73.8538,
89.1494

■ 22.6002, 19.0277,
81.0796

■ 82.1269, 86.4081,
90.9479

■ 20.0316, 15.2969,
80.4949

■ 91.8192, 98.4256,
92.7567

■ 18.2465, 12.3886,
80.0276

■ 91.9955, 98.7782,
92.8155

■ 17.8726, 11.7523,
79.9245

Harmonies

Analogous

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



37.4145, 43.6455, 81.4754



42.7502, 43.6455, 84.7685



48.1983, 43.6455, 76.4392

Triad

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



42.7502, 43.6455, 84.7685



50.6299, 43.6455, 31.4887



32.4355, 43.6455, 36.4562

Complementary

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



42.7502, 43.6455, 84.7685



61.3599, 63.4327, 36.6152

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.



35.4237, 43.6455, 27.0090



42.7502, 43.6455, 84.7685



45.8378, 43.6455, 24.6194

Square

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



42.7502, 43.6455, 84.7685



53.0025, 43.6455, 44.0215



40.2425, 43.6455, 23.1849



31.7678, 43.6455, 51.2045

Rectangle

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



42.7502, 43.6455, 84.7685



51.0580, 43.6455, 66.3146



40.2425, 43.6455, 23.1849



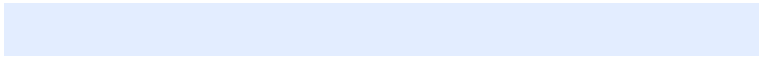
33.1881, 43.6455, 32.6652

Sweetspot

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



42.7517, 43.6472, 84.7695



79.8560, 83.8292, 106.5795



52.6653, 69.9900, 67.9876



16.7215, 17.5439, 22.7549



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.



42.7517, 43.6472, 84.7695



45.1016, 45.2057, 100.9562



39.9679, 34.3615, 83.1239



14.6510, 15.3884, 19.1203



10.0532, 6.7533, 44.5166



0.8758, 0.7031, 3.5244

Inverse Universe

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



52.6318, 41.7055, 46.8726



58.8288, 43.3590, 48.1125



65.0388, 77.0222, 39.0443



15.2774, 15.1388, 16.7460



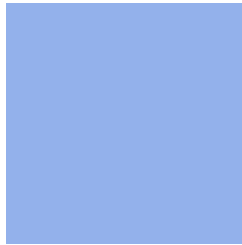
19.9297, 10.1746, 5.4310



1.6086, 0.8164, 0.6561

Previews

White Background



This preview shows how the XYZ color 42.7502, 43.6455, 84.7685 looks on a white background.

Color Contrast Check

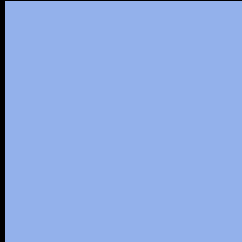
Large Text (above 18pt) WCAG AA × Fail

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 42.7502, 43.6455, 84.7685 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

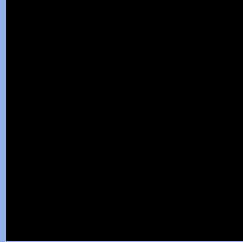
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

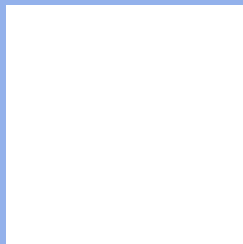
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 42.7502, 43.6455, 84.7685

Background



This preview shows how black text looks on a background with the XYZ color 42.7502, 43.6455, 84.7685.



This preview shows how white text looks on a background with the XYZ color 42.7502, 43.6455,

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

42.7502, 43.6455, 84.7685

Protanopia

44.3412, 43.6289, 83.1750

Deuteranopia

44.5811, 43.4169, 85.3875



Tritanopia

37.8148, 43.7615, 59.8798

Trichromacy



Original Color

42.7502, 43.6455, 84.7685

Protanomaly

43.6988, 43.5690, 83.9484

Deuteranomaly

43.7939, 43.2968, 85.4058

Tritanomaly

39.2663, 43.4136, 67.9381

Monochromacy



Original Color

42.7502, 43.6455, 84.7685

Achromatopsia

40.7470, 42.8690, 46.6844

Achromatomaly

41.1204, 43.0812, 58.9716

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.7502, 43.6455, 84.7685 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(147, 177, 235)` looks like.

```
.text, #text, p{  
    color:rgb(147, 177, 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(147, 177, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 177, 235) }
```

Border

The CSS property to change the border of an element to XYZ 42.7502, 43.6455, 84.7685 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(147, 177, 235) }
```


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

```
.border{ border-color:rgb(147, 177, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(147, 177, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(147, 177, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(147, 177, 235);  
box-shadow:4px 4px 4px 4px rgb(147, 177,  
235) }
```

Background

The CSS property to change the background color of an element to XYZ 42.7502, 43.6455, 84.7685 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 177, 235) }
```

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

```
.background{ background-color: rgb(147,  
177, 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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