

Converting Colors

XYZ(39.6334, 42.1877, 82.5899)

Have a look what the booklet for
XYZ(39.6334, 42.1877, 82.5899)
contains.

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Color

**XYZ(39.4935, 42.0163,
82.3724)**

Conversions

Conversions Part 1

Format	Color
Hex	82B1E8
RGB	130, 177, 232
RGB Percent	51%, 69%, 91%
CMY	0.4902, 0.3059, 0.0902
CMYK	0.44, 0.24, 0.00, 0.09
HSL	212°, 69%, 71%
HSV	212°, 44%, 91%
XYZ	39.4935, 42.0163, 82.3724
YIQ	169.2170, -45.6670, 7.1410

Conversions

Conversions Part 2

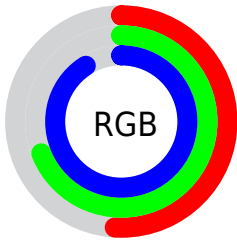
Format	Color
R _Y B	130, 162, 232
Decimal	8565224
CIE Lab	70.88, -1.39, -32.44
CIE LCh	71, 32.470, 267.554
Yxy	42.0163, 0.2410, 0.2564
Android (android.graphics.Color)	4286755304 (0xFF82B1E8)
YUV	169.2170, 30.9520, -34.3933
Hunter-Lab	64.8200, -4.6785, -29.9710

Details

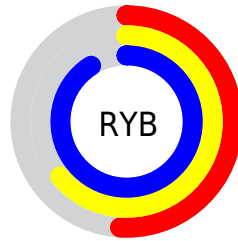
The XYZ color **39.4935, 42.0163, 82.3724** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **54.6580, 53.4666, 28.5598**, and the grayscale version is **37.6884, 39.6511, 43.1801**.

A 20% lighter version of the original color is **67.6824, 76.0626, 105.7221**, and **17.9941, 19.2577, 43.8430** is the 20% darker color. If you saturate the color by 10%, you get **33.9694, 35.6677, 81.4389**, and if you desaturate by 10%, it is **46.0492, 49.2347, 83.4209**.

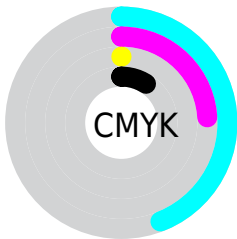
Distribution



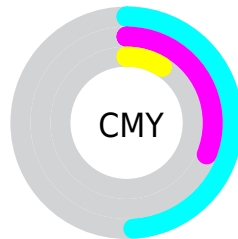
- Red (51%)
- Green (69%)
- Blue (91%)



- Red (51%)
- Yellow (64%)
- Blue (91%)



- Cyan (44%)
- Magenta (24%)
- Yellow (0%)
- Black (9%)



- Cyan (49%)
- Magenta (31%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 39.4935, 42.0163, 82.3724 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 39.4935, 42.0163, 82.3724 by changing the saturation by 10% instead.

■ 39.4935, 42.0163,
82.3724

■ 39.4935, 42.0163,
82.3724

335.1553,
354.5505, 522.8086

■ 27.3263, 29.1141,
61.1349

■ 73.6809, 78.2243,
138.5375

■ 17.9563, 19.1671,
43.9028

■ 96.4318, 102.2988,
174.3022

■ 11.0181, 11.7911,
30.2575

■ 123.4412,
130.8663, 215.7464

■ 6.1464, 6.6016,
19.7804

155.0747,
164.3110, 263.2886

■ 2.9758, 3.2142,
12.0530

191.6975,
203.0173, 317.3474

■ 1.1410, 1.2446,
6.6568

233.6749,

■ 0.0590, 0.0977,

247.3698, 378.3413

3.1732

281.3724,
297.7527, 446.6889

■ 0.0000, 0.0000,
1.1838

■ 0.0000, 0.0000,
0.0000

■ 39.4935, 42.0163,
82.3724

■ 39.4935, 42.0163,
82.3724

■ 33.9694, 35.6677,
81.4389

■ 46.0492, 49.2347,
83.4209

■ 29.4120, 30.1439,
80.6129

■ 53.6875, 57.3552,
84.5858

■ 25.7550, 25.4022,
79.8904

■ 62.4611, 66.4143,
85.8719

■ 22.9206, 21.3928,
79.2659

■ 72.4175, 76.4444,
87.2832

■ 20.8155, 18.0570,
78.7330

■ 83.6016, 87.4766,
88.8231

■ 19.8133, 16.3215,
78.4508

■ 90.6354, 96.7459,
90.2416

■ 91.5656, 98.6063,
90.5516

Harmonies

Analogous

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



34.6174, 42.0163, 75.7264



39.4935, 42.0163, 82.3724



44.9357, 42.0163, 77.5172

Triad

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



39.4935, 42.0163, 82.3724



49.8708, 42.0163, 33.3208



31.7949, 42.0163, 31.5720

Complementary

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



39.4935, 42.0163, 82.3724



54.6580, 53.4666, 28.5598

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.



35.3203, 42.0163, 24.1174



39.4935, 42.0163, 82.3724



45.7716, 42.0163, 24.9555

Square

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



39.4935, 42.0163, 82.3724



51.2384, 42.0163, 47.0302



40.3802, 42.0163, 21.9983



30.4301, 42.0163, 44.4905

Rectangle

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



39.4935, 42.0163, 82.3724



48.1013, 42.0163, 68.9069



40.3802, 42.0163, 21.9983



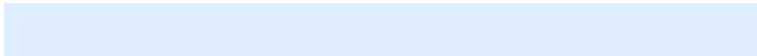
32.7500, 42.0163, 28.4647

Sweetspot

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



39.4949, 42.0179, 82.3734



78.4487, 83.3668, 106.5644



46.7575, 65.9376, 55.8318



16.2421, 17.2838, 22.7300



0.0000, 0.0000, 0.0000



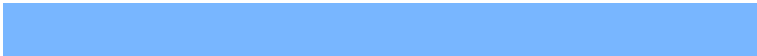
20.3446, 21.4041, 23.3091

Same Dimension

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



39.4949, 42.0179, 82.3734



42.5286, 44.7096, 100.9961



32.2856, 26.8121, 79.8184



14.1273, 14.9761, 18.2904



11.1224, 9.3069, 43.5934



0.9140, 0.8719, 3.2521

Inverse Universe

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



49.1983, 36.2968, 46.0095



56.3949, 38.0395, 48.6940



65.0724, 75.9181, 32.3445



14.6519, 14.4779, 16.3671



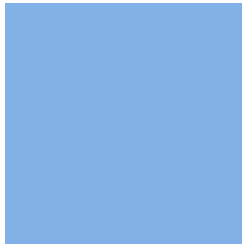
20.0076, 10.1373, 8.9349



1.5250, 0.7677, 0.9049

Previews

White Background



This preview shows how the XYZ color 39.4935, 42.0163, 82.3724 looks on a white background.

Color Contrast Check

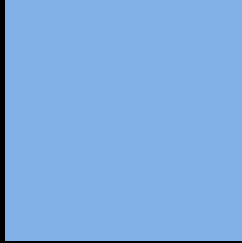
Large Text (above 18pt) WCAG AA × Fail

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 39.4935, 42.0163, 82.3724 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

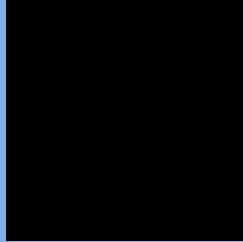
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

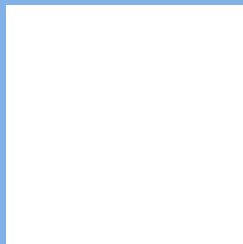
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 39.4935, 42.0163, 82.3724

Background



This preview shows how black text looks on a background with the XYZ color 39.4935, 42.0163, 82.3724.



This preview shows how white text looks on a background with the XYZ color 39.4935, 42.0163,

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

39.4935, 42.0163, 82.3724

Protanopia

42.3327, 41.8400, 78.5178

Deuteranopia

42.7930, 41.7006, 82.8844



Tritanopia

34.8723, 41.9373, 59.6828

Trichromacy



Original Color

39.4935, 42.0163, 82.3724

Protanomaly

41.1190, 41.7473, 80.0196

Deuteranomaly

41.6842, 41.9734, 82.9955

Tritanomaly

36.4689, 41.9860, 67.1548

Monochromacy



Original Color

39.4935, 42.0163, 82.3724

Achromatopsia

37.7116, 39.6755, 43.2066

Achromatomaly

37.7845, 40.2794, 55.6524

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.4935, 42.0163, 82.3724 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(130, 177, 232)` looks like.

```
.text, #text, p{  
    color:rgb(130, 177, 232)  
}
```

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(130, 177, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 177, 232) }
```

Border

The CSS property to change the border of an element to XYZ 39.4935, 42.0163, 82.3724 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(130, 177, 232) }
```


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

```
.border{ border-color:rgb(130, 177, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(130, 177, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(130, 177, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(130, 177, 232);  
box-shadow:4px 4px 4px 4px rgb(130, 177,  
232) }
```

Background

The CSS property to change the background color of an element to XYZ 39.4935, 42.0163, 82.3724 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 177, 232) }
```

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

```
.background{ background-color: rgb(130,  
177, 232) }
```

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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