

Converting Colors

XYZ(40.4220, 43.3026, 92.8116)

Have a look what the booklet for
XYZ(40.4220, 43.3026, 92.8116)
contains.

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Color

**XYZ(40.2739, 43.0866,
92.5801)**

Conversions

Conversions Part 1

Format	Color
Hex	76B4F5
RGB	118, 180, 245
RGB Percent	46%, 71%, 96%
CMY	0.5372, 0.2941, 0.0392
CMYK	0.52, 0.27, 0.00, 0.04
HSL	211°, 86%, 71%
HSV	211°, 52%, 96%
XYZ	40.2739, 43.0866, 92.5801
YIQ	168.8720, -57.8170, 7.0710

Conversions

Conversions Part 2

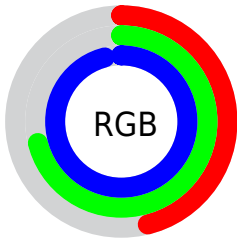
Format	Color
R _Y B	118, 160, 245
Decimal	7779573
CIE Lab	71.61, -2.10, -38.42
CIE LCh	72, 38.473, 266.875
Yxy	43.0866, 0.2289, 0.2449
Android (android.graphics.Color)	4285969653 (0xFF76B4F5)
YUV	168.8720, 37.5311, -44.6147
Hunter-Lab	65.6404, -5.3513, -37.6752

Details

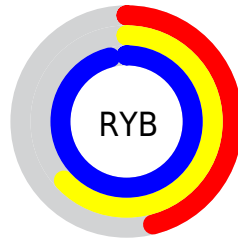
The XYZ color **40.2739, 43.0866, 92.5801** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **57.8614, 54.5897, 24.6287**, and the grayscale version is **37.4911, 39.4436, 42.9541**.

A 20% lighter version of the original color is **65.9499, 76.4410, 105.8864**, and **18.2974, 19.6503, 50.4055** is the 20% darker color. If you saturate the color by 10%, you get **34.9509, 36.7536, 91.6391**, and if you desaturate by 10%, it is **46.6929, 50.3261, 93.6400**.

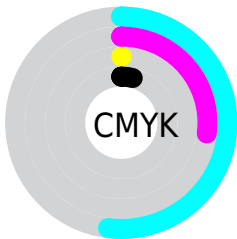
Distribution



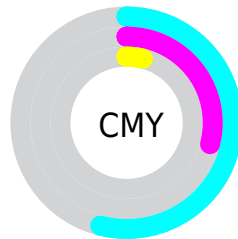
- Red (46%)
- Green (71%)
- Blue (96%)



- Red (46%)
- Yellow (63%)
- Blue (96%)



- Cyan (52%)
- Magenta (27%)
- Yellow (0%)
- Black (4%)



- Cyan (54%)
- Magenta (29%)
- Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 40.2739, 43.0866, 92.5801 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 40.2739, 43.0866, 92.5801 by changing the saturation by 10% instead.

■ 40.2739, 43.0866,
92.5801

■ 40.2739, 43.0866,
92.5801

338.3913,
358.9678, 557.1738

■ 27.9373, 29.9531,
69.5368

■ 74.8621, 79.8415,
152.8838

■ 18.4186, 19.8030,
50.6746

■ 97.8445, 104.2317,
190.9813

■ 11.3525, 12.2519,
35.5747

■ 125.1061,
133.1429, 234.9340

■ 6.3735, 6.9155,
23.8189

157.0124,
166.9595, 285.1604

■ 3.1163, 3.4093,
14.9883

193.9287,
206.0659, 342.0790

■ 1.2156, 1.3490,
8.6647

236.2204,

■ 0.1186, 0.1786,

250.8465, 406.1084

4.4293

284.2528,
301.6856, 477.6672

■ 0.0000, 0.0000,
1.8637

■ 0.0000, 0.0000,
0.4695

■ 40.2739, 43.0866,
92.5801

■ 40.2739, 43.0866,
92.5801

■ 34.9509, 36.7536,
91.6391

■ 46.6929, 50.3261,
93.6400

■ 30.6448, 31.2752,
90.8086

■ 54.2702, 58.5106,
94.8204

■ 27.2723, 26.5997,
90.0839

■ 63.0684, 67.6815,
96.1268

■ 24.7321, 22.6652,
89.4583

■ 73.1441, 77.8759,
97.5635

■ 23.1506, 19.9307,
89.0139

■ 84.5501, 89.1289,
99.1344

■ 93.4816, 99.3726,
100.6409

Harmonies

Analogous

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



34.4865, 43.0866, 83.7921



40.2739, 43.0866, 92.5801



46.8749, 43.0866, 86.7021

Triad

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



40.2739, 43.0866, 92.5801



53.1622, 43.0866, 32.5043



31.3394, 43.0866, 29.9253

Complementary

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



40.2739, 43.0866, 92.5801



57.8614, 54.5897, 24.6287

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.



35.5513, 43.0866, 21.6537



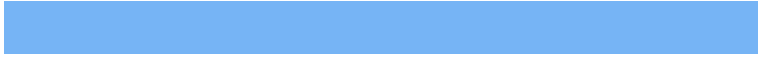
40.2739, 43.0866, 92.5801



48.1802, 43.0866, 22.8421

Square

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



40.2739, 43.0866, 92.5801



54.7645, 43.0866, 48.8956



41.6387, 43.0866, 19.4525



29.6831, 43.0866, 44.9866

Rectangle

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



40.2739, 43.0866, 92.5801



50.7837, 43.0866, 75.9317



41.6387, 43.0866, 19.4525



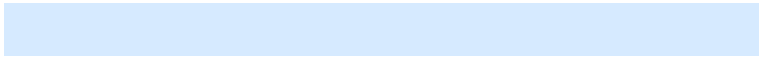
32.4799, 43.0866, 26.4288

Sweetspot

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



40.2754, 43.0882, 92.5811



75.2963, 80.4590, 106.1693



48.5170, 72.5143, 55.4270



15.6308, 16.7298, 22.6553



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.



40.2754, 43.0882, 92.5811



38.1209, 40.0594, 100.3308



30.4328, 23.4029, 89.3003



16.2490, 17.2624, 21.0181



12.6093, 11.0123, 47.9990



1.2108, 1.1729, 4.2528

Inverse Universe

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



52.3742, 35.6664, 47.3052



53.1534, 32.8501, 43.6252



73.5797, 86.0263, 29.8681



16.8363, 16.6174, 18.8844



22.1691, 11.2111, 10.8647



2.0002, 1.0060, 1.2274

Previews

White Background



This preview shows how the XYZ color 40.2739, 43.0866, 92.5801 looks on a white background.

Color Contrast Check

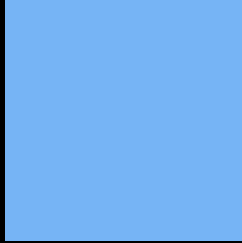
Large Text (above 18pt) WCAG AA × Fail

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 40.2739, 43.0866, 92.5801 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

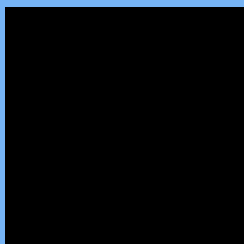
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

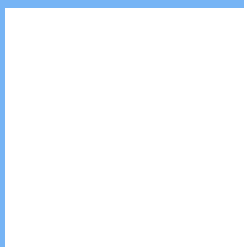
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 40.2739, 43.0866, 92.5801

Background



This preview shows how black text looks on a background with the XYZ color 40.2739, 43.0866, 92.5801.



This preview shows how white text looks on a background with the XYZ color 40.2739, 43.0866,

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

40.2739, 43.0866, 92.5801

Protanopia

43.8501, 42.7056, 87.5932

Deuteranopia

44.1265, 42.9921, 93.9683



Tritanopia

34.4716, 43.2213, 63.0256

Trichromacy



Original Color

40.2739, 43.0866, 92.5801

Protanomaly

42.3625, 42.7616, 89.2402

Deuteranomaly

42.6411, 43.1078, 93.2620

Tritanomaly

36.3105, 43.0111, 72.7179

Monochromacy



Original Color

40.2739, 43.0866, 92.5801

Achromatopsia

37.7116, 39.6755, 43.2066

Achromatomaly

37.5993, 40.4024, 58.6401

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.2739, 43.0866, 92.5801 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(118, 180, 245)` looks like.

```
.text, #text, p{  
    color:rgb(118, 180, 245)  
}
```

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(118, 180, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 180, 245) }
```

Border

The CSS property to change the border of an element to XYZ 40.2739, 43.0866, 92.5801 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(118, 180, 245) }
```


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

```
.border{ border-color:rgb(118, 180, 245) }
```

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

Here you see how a box with a 4 pixel `rgb(118, 180, 245)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 180, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 180, 245);  
box-shadow:4px 4px 4px 4px rgb(118, 180,  
245) }
```

Background

The CSS property to change the background color of an element to XYZ 40.2739, 43.0866, 92.5801 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 180, 245) }
```

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

```
.background{ background-color: rgb(118,  
180, 245) }
```

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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