

Converting Colors

XYZ(40.7442, 44.5057, 99.3368)

Have a look what the booklet for
XYZ(40.7442, 44.5057, 99.3368)
contains.

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Color

**XYZ(40.6958, 44.3761,
99.3490)**

Conversions

Conversions Part 1

Format	Color
Hex	69B8FD
RGB	105, 184, 253
RGB Percent	41%, 72%, 99%
CMY	0.5882, 0.2784, 0.0078
CMYK	0.58, 0.27, 0.00, 0.01
HSL	208°, 97%, 70%
HSV	208°, 58%, 99%
XYZ	40.6958, 44.3761, 99.3490
YIQ	168.2450, -69.2330, 4.7110

Conversions

Conversions Part 2

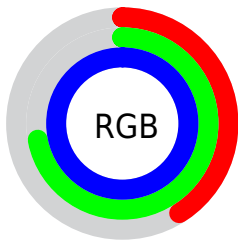
Format	Color
R _Y B	105, 157, 253
Decimal	6928637
CIE Lab	72.48, -4.52, -41.43
CIE LCh	72, 41.679, 263.772
Yxy	44.3761, 0.2207, 0.2406
Android (android.graphics.Color)	4285118717 (0xFF69B8FD)
YUV	168.2450, 41.7842, -55.4659
Hunter-Lab	66.6154, -7.5300, -41.7933

Details

The XYZ color **40.6958, 44.3761, 99.3490** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **58.1957, 52.1773, 20.3706**, and the grayscale version is **37.1669, 39.1025, 42.5826**.

A 20% lighter version of the original color is **64.9360, 77.6472, 106.1727**, and **18.6452, 20.5094, 55.2006** is the 20% darker color. If you saturate the color by 10%, you get **35.8053, 38.3686, 98.4481**, and if you desaturate by 10%, it is **46.6774, 51.2509, 100.3616**.

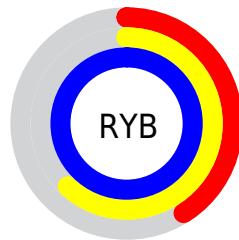
Distribution



Red (41%)

Green (72%)

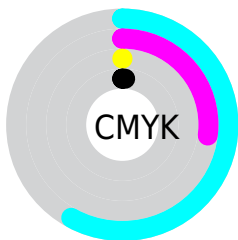
Blue (99%)



Red (41%)

Yellow (62%)

Blue (99%)

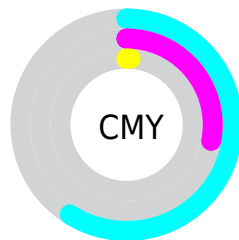


Cyan (58%)

Magenta (27%)

Yellow (0%)

Black (1%)



Cyan (59%)

Magenta (28%)

Yellow (1%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 40.6958, 44.3761, 99.3490 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 40.6958, 44.3761, 99.3490 by changing the saturation by 10% instead.

■ 40.6958, 44.3761,
99.3490

■ 40.6958, 44.3761,
99.3490

340.1320,
364.2408, 579.3323

■ 28.2681, 30.9663,
75.1431

■ 75.4995, 81.7834,
162.3063

■ 18.6693, 20.5732,
55.2277

■ 98.6062, 106.5496,
201.8949

■ 11.5342, 12.8124,
39.1842

■ 126.0033,
135.8702, 247.4481

■ 6.4973, 7.2995,
26.5941

158.0562,
170.1294, 299.3844

■ 3.1932, 3.6501,
17.0389

195.1301,
209.7117, 358.1225

■ 1.2568, 1.4798,
10.1000

237.5905,

■ 0.1505, 0.2745,

255.0014, 424.0808

5.3588

285.8026,
306.3830, 497.6779

■ 0.0000, 0.0000,
2.3969

■ 0.0000, 0.0000,
0.7848

■ 40.6958, 44.3761,
99.3490

■ 40.6958, 44.3761,
99.3490

■ 35.8053, 38.3686,
98.4481

■ 46.6774, 51.2509,
100.3616

■ 31.9153, 33.1720,
97.6501

■ 53.8212, 59.0346,
101.4875

■ 28.9263, 28.7282,
96.9499

■ 62.1974, 67.7709,
102.7323

■ 26.6976, 24.9568,
96.3394

■ 71.8688, 77.4988,
104.1002

■ 26.4001, 24.4325,
96.2538

■ 82.8937, 88.2549,
105.5953

94.6583, 99.7290,
107.1899

94.7298, 99.8719,
107.2137

Harmonies

Analogous

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



34.5221, 44.3761, 87.8237



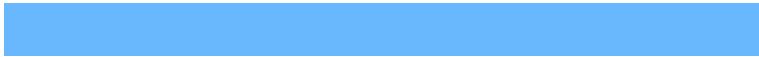
40.6958, 44.3761, 99.3490



48.0017, 44.3761, 94.3787

Triad

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



40.6958, 44.3761, 99.3490



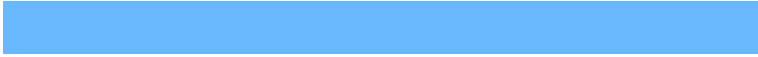
56.1412, 44.3761, 34.0473



31.9776, 44.3761, 28.4884

Complementary

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



40.6958, 44.3761, 99.3490



58.1957, 52.1773, 20.3706

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.



36.8458, 44.3761, 20.3814



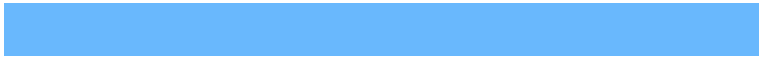
40.6958, 44.3761, 99.3490



50.8899, 44.3761, 22.8945

Square

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



40.6958, 44.3761, 99.3490



57.4725, 44.3761, 52.7427



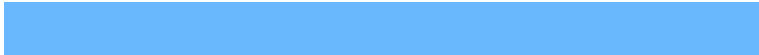
43.6961, 44.3761, 18.6730



29.8707, 44.3761, 44.1480

Rectangle

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



40.6958, 44.3761, 99.3490



52.4861, 44.3761, 82.9284



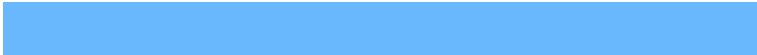
43.6961, 44.3761, 18.6730



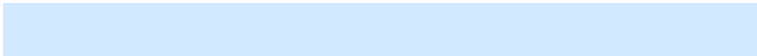
33.3167, 44.3761, 24.9914

Sweetspot

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



40.6974, 44.3777, 99.3501



73.6819, 79.4082, 106.0516



48.3606, 76.2183, 50.9936



15.1234, 16.3536, 22.6094



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.



40.6974, 44.3777, 99.3501



35.7808, 38.1979, 100.0948



29.3956, 21.7740, 95.5828



17.8059, 18.9835, 22.9757



14.1912, 13.2919, 51.2522



1.4911, 1.5130, 5.0267

Inverse Universe

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



54.2127, 34.4483, 49.1407



51.2842, 29.4681, 41.9033



75.8932, 87.5722, 26.2697



18.4147, 18.1492, 20.8009



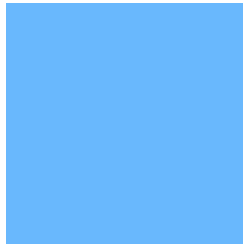
23.9512, 12.0698, 13.6596



2.3873, 1.1973, 1.6208

Previews

White Background



This preview shows how the XYZ color 40.6958, 44.3761, 99.3490 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 40.6958, 44.3761, 99.3490 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

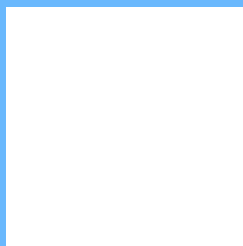
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 40.6958, 44.3761, 99.3490

Background



This preview shows how black text looks on a background with the XYZ color 40.6958, 44.3761, 99.3490.



This preview shows how white text looks on a background with the XYZ color 40.6958, 44.3761,

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

40.6958, 44.3761, 99.3490

Protanopia

45.1351, 43.8332, 92.4680

Deuteranopia

45.2340, 43.9909, 100.7148



Tritanopia

34.0726, 44.2318, 66.4163

Trichromacy



Original Color

40.6958, 44.3761, 99.3490

Protanomaly

43.1802, 43.9365, 95.0117

Deuteranomaly

43.1699, 43.8218, 99.9491

Tritanomaly

36.1663, 44.1042, 77.1278

Monochromacy



Original Color

40.6958, 44.3761, 99.3490

Achromatopsia

37.2190, 39.1572, 42.6422

Achromatomaly

37.1219, 40.4154, 59.8772

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.6958, 44.3761, 99.3490 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(105, 184, 253)` looks like.

```
.text, #text, p{  
    color:rgb(105, 184, 253)  
}
```

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(105, 184, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(105, 184, 253) }
```

Border

The CSS property to change the border of an element to XYZ 40.6958, 44.3761, 99.3490 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(105, 184, 253) }
```


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

```
.border{ border-color:rgb(105, 184, 253) }
```

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

Here you see how a box with a 4 pixel `rgb(105, 184, 253)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(105, 184, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(105, 184, 253);  
box-shadow:4px 4px 4px 4px rgb(105, 184,  
253) }
```

Background

The CSS property to change the background color of an element to XYZ 40.6958, 44.3761, 99.3490 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(105, 184, 253) }
```

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

```
.background{ background-color: rgb(105,  
184, 253) }
```

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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