

Converting Colors

XYZ(39.8568, 42.6994,
100.7489)

Have a look what the booklet for
XYZ(39.8568, 42.6994, 100.7489)
contains.

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Color

**XYZ(39.8507, 42.6873,
100.7469)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|----------------------------|
| Hex | 66B4FF |
| RGB | 102, 180, 255 |
| RGB Percent | 40%, 71%, 100% |
| CMY | 0.6000, 0.2941, 0.0000 |
| CMYK | 0.60, 0.29, 0.00, 0.00 |
| HSL | 209°, 100%, 70% |
| HSV | 209°, 60%, 100% |
| XYZ | 39.8507, 42.6873, 100.7469 |
| YIQ | 165.2280, -70.5630, 6.7890 |

Conversions

Conversions Part 2

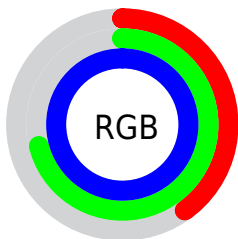
| Format | Color |
|-------------------------------------|--------------------------------|
| RYB | 102, 154, 255 |
| Decimal | 6731007 |
| CIELab | 71.34, -2.25, -44.30 |
| CIELCh | 71, 44.356, 267.096 |
| Yxy | 42.6873, 0.2174, 0.2329 |
| Android (android.graphics.Color) | 4284921087 (0xFF66B4FF) |
| YUV | 165.2280, 44.2576, -55.4510 |
| Hunter-Lab | 65.3355, -5.4630, -45.6899 |

Details

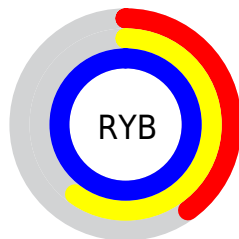
The XYZ color **39.8507, 42.6873, 100.7469** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **59.3617, 53.6657, 19.8021**, and the grayscale version is **35.6936, 37.5524, 40.8946**.

A 20% lighter version of the original color is **63.1497, 74.9974, 105.7554**, and **18.2431, 19.6861, 56.2644** is the 20% darker color. If you saturate the color by 10%, you get **34.9819, 36.5992, 99.8284**, and if you desaturate by 10%, it is **45.8384, 49.6915, 101.7832**.

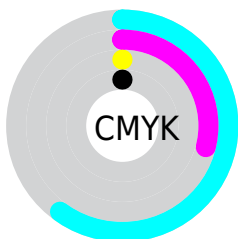
Distribution



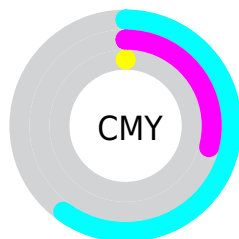
- Red (40%)
- Green (71%)
- Blue (100%)



- Red (40%)
- Yellow (60%)
- Blue (100%)



- Cyan (60%)
- Magenta (29%)
- Yellow (0%)
- Black (0%)



- Cyan (60%)
- Magenta (29%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 39.8507, 42.6873, 100.7469 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 39.8507, 42.6873, 100.7469 by changing the saturation by 10% instead.

■ 39.8507, 42.6873,
100.7469

■ 39.8507, 42.6873,
100.7469

336.6391,
357.3242, 583.8518

■ 27.6058, 29.6398,
76.3041

■ 74.2219, 79.2388,
164.2440

■ 18.1677, 19.5654,
56.1737

■ 97.0790, 103.5116,
204.1354

■ 11.1709, 12.0795,
39.9373

■ 124.2041,
132.2949, 250.0135

■ 6.2500, 6.7979,
27.1763

155.9628,
165.9733, 302.2967

■ 3.0398, 3.3360,
17.4720

192.7202,
204.9310, 361.4035

■ 1.1748, 1.3096,
10.4061

234.8419,

■ 0.0864, 0.1486,

249.5525, 427.7527

5.5599

282.6930,
300.2221, 501.7626

■ 0.0000, 0.0000,
2.5150

■ 0.0000, 0.0000,
0.8481

■ 39.8507, 42.6873,
100.7469

■ 39.8507, 42.6873,
100.7469

■ 34.9819, 36.5992,
99.8284

■ 45.8384, 49.6915,
101.7832

■ 31.1373, 31.3674,
99.0211

■ 53.0203, 57.6570,
102.9422

■ 28.2114, 26.9289,
98.3186

■ 61.4695, 66.6305,
104.2289

■ 26.0329, 23.1858,
97.7110

■ 71.2516, 76.6538,
105.6481

■ 26.0324, 23.1848,
97.7108

■ 82.4274, 87.7660,
107.2039

95.0500, 100.0000,
108.9000

Harmonies

Analogous

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



33.2705, 42.6873, 90.1918



39.8507, 42.6873, 100.7469



47.4617, 42.6873, 93.4682

Triad

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



39.8507, 42.6873, 100.7469



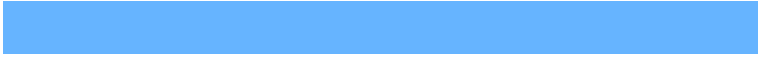
54.7258, 42.6873, 30.1698



29.6845, 42.6873, 27.5475

Complementary

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



39.8507, 42.6873, 100.7469



59.3617, 53.6657, 19.8021

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.



34.3853, 42.6873, 18.6655



39.8507, 42.6873, 100.7469



48.8727, 42.6873, 19.8213

Square

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



39.8507, 42.6873, 100.7469



56.6468, 42.6873, 48.5914



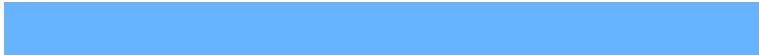
41.3040, 42.6873, 16.3441



27.8698, 42.6873, 44.4291

Rectangle

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



39.8507, 42.6873, 100.7469



52.0101, 42.6873, 80.4207



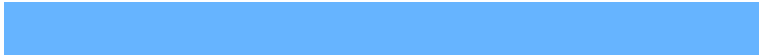
41.3040, 42.6873, 16.3441



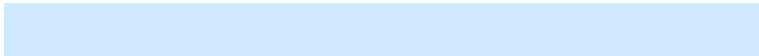
30.9490, 42.6873, 23.7509

Sweetspot

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



39.8521, 42.6887, 100.7471



73.3703, 78.7848, 105.9477



49.0722, 77.4780, 53.4187



15.0475, 16.2017, 22.5841



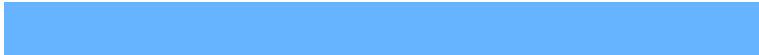
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



39.8521, 42.6887, 100.7471



34.1329, 35.4845, 99.6579



28.5369, 20.0584, 96.9753



17.7686, 18.9089, 22.9632



13.7524, 12.4144, 51.1060



1.4484, 1.4275, 5.0125

Inverse Universe

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



54.2306, 34.0596, 46.8972



50.3102, 28.5341, 38.4526



78.5906, 92.1233, 26.2117



18.3959, 18.1417, 20.7017



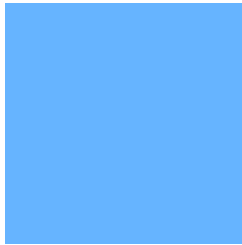
23.7298, 11.9812, 12.4934



2.3657, 1.1886, 1.5071

Previews

White Background



This preview shows how the XYZ color 39.8507, 42.6873, 100.7469 looks on a white background.

Color Contrast Check

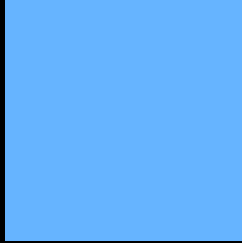
Large Text (above 18pt) WCAG AA × Fail

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 39.8507, 42.6873, 100.7469 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

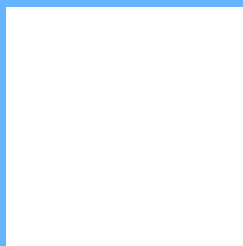
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 39.8507, 42.6873, 100.7469

Background



This preview shows how black text looks on a background with the XYZ color 39.8507, 42.6873, 100.7469.



This preview shows how white text looks on a background with the XYZ color 39.8507, 42.6873,

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

39.8507, 42.6873, 100.7469

Protanopia

43.9006, 42.2927, 94.6564

Deuteranopia

43.6410, 42.5961, 100.5295



Tritanopia

32.7412, 42.9402, 64.3202

Trichromacy



Original Color

39.8507, 42.6873, 100.7469

Protanomaly

42.0644, 42.1427, 97.1841

Deuteranomaly

42.1795, 42.7063, 100.6278

Tritanomaly

34.9027, 42.5202, 76.1797

Monochromacy



Original Color

39.8507, 42.6873, 100.7469

Achromatopsia

35.7637, 37.6262, 40.9749

Achromatomaly

35.7231, 38.5775, 58.9895

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.8507, 42.6873, 100.7469 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(102, 180, 255)` looks like.

```
.text, #text, p{  
    color:rgb(102, 180, 255)  
}
```

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(102, 180, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 180, 255) }
```

Border

The CSS property to change the border of an element to XYZ 39.8507, 42.6873, 100.7469 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(102, 180, 255) }
```


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

```
.border{ border-color:rgb(102, 180, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 180, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 180, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 180, 255);  
box-shadow:4px 4px 4px 4px rgb(102, 180,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 39.8507, 42.6873, 100.7469 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 180, 255) }
```

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

```
.background{ background-color: rgb(102,  
180, 255) }
```

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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