

Converting Colors

XYZ(40.0325, 39.8914,
100.1976)

Have a look what the booklet for
XYZ(40.0325, 39.8914, 100.1976)
contains.

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Color

**XYZ(40.0325, 39.8914,
100.1976)**

Conversions

Conversions Part 1

Format	Color
Hex	77AAFF
RGB	119, 170, 255
RGB Percent	47%, 67%, 100%
CMY	0.5333, 0.3333, 0.0000
CMYK	0.53, 0.33, 0.00, 0.00
HSL	218°, 100%, 73%
HSV	218°, 53%, 100%
XYZ	40.0325, 39.8914, 100.1976
YIQ	164.4410, -57.6810, 15.6230

Conversions

Conversions Part 2

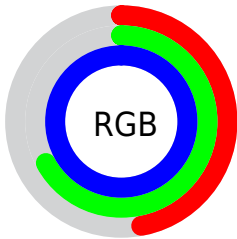
Format	Color
RYB	119, 156, 255
Decimal	7842559
CIELab	69.39, 6.73, -47.31
CIElCh	69, 47.782, 278.093
Yxy	39.8914, 0.2223, 0.2215
Android (android.graphics.Color)	4286032639 (0xFF77AAFF)
YUV	164.4410, 44.6456, -39.8518
Hunter-Lab	63.1596, 2.6094, -49.8470

Details

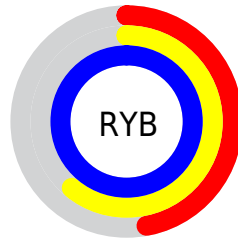
The XYZ color **40.0325, 39.8914, 100.1976** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **66.1641, 65.7799, 26.6644**, and the grayscale version is **35.3115, 37.1505, 40.4569**.

A 20% lighter version of the original color is **63.3353, 70.5354, 104.8843**, and **18.2470, 17.8463, 55.9090** is the 20% darker color. If you saturate the color by 10%, you get **34.1819, 32.7062, 99.1191**, and if you desaturate by 10%, it is **47.1866, 48.2876, 101.4412**.

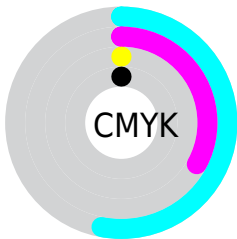
Distribution



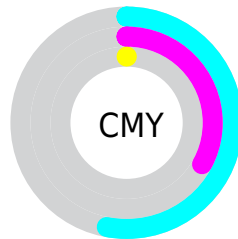
- Red (47%)
- Green (67%)
- Blue (100%)



- Red (47%)
- Yellow (61%)
- Blue (100%)



- Cyan (53%)
- Magenta (33%)
- Yellow (0%)
- Black (0%)



- Cyan (53%)
- Magenta (33%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 40.0325, 39.8914, 100.1976 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 40.0325, 39.8914, 100.1976 by changing the saturation by 10% instead.

■ 40.0325, 39.8914,
100.1976

■ 40.0325, 39.8914,
100.1976

337.3926,
345.6656, 582.0781

■ 27.7482, 27.4539,
75.8478

■ 74.4970, 74.9981,
163.4829

■ 18.2754, 17.9144,
55.8018

■ 97.4080, 98.4361,
203.2555

■ 11.2488, 10.8885,
39.6411

■ 124.5918,
126.3097, 249.0061

■ 6.3030, 5.9919,
26.9472

156.4140,
159.0033, 301.1533

■ 3.0726, 2.8402,
17.3015

193.2398,
196.9013, 360.1155

■ 1.1923, 1.0489,
10.2854

235.4346,

■ 0.1002, 0.0000,

240.3881, 426.3114

5.4805

283.3638,
289.8481, 500.1594

■ 0.0000, 0.0000,
2.4683

■ 0.0000, 0.0000,
0.8233

■ 40.0325, 39.8914,
100.1976

■ 40.0325, 39.8914,
100.1976

■ 34.1819, 32.7062,
99.1191

■ 47.1866, 48.2876,
101.4412

■ 29.5410, 26.6625,
98.1971

■ 55.7209, 57.9506,
102.8565

■ 26.0084, 21.6885,
97.4232

■ 65.7105, 68.9371,
104.4506

■ 23.4612, 17.6991,
96.7875

■ 77.2236, 81.2987,
106.2298

■ 22.1984, 15.5168,
96.4328

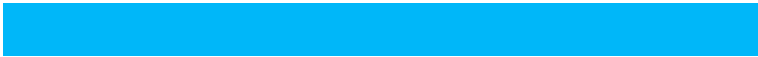
■ 90.3239, 95.0843,
108.2003

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.



32.6687, 39.8914, 95.6711



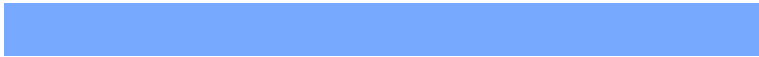
40.0325, 39.8914, 100.1976



47.7745, 39.8914, 85.9427

Triad

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



40.0325, 39.8914, 100.1976



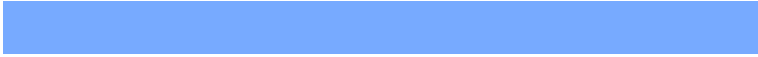
50.7647, 39.8914, 22.2201



25.7993, 39.8914, 29.4898

Complementary

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



40.0325, 39.8914, 100.1976



66.1641, 65.7799, 26.6644

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.



29.5158, 39.8914, 17.9295



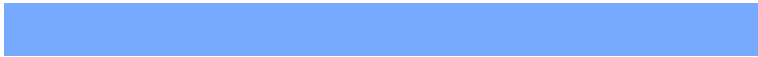
40.0325, 39.8914, 100.1976



43.6962, 39.8914, 14.8275

Square

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



40.0325, 39.8914, 100.1976



54.4944, 39.8914, 37.7496



35.8746, 39.8914, 13.5783



25.0947, 39.8914, 49.6643

Rectangle

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



40.0325, 39.8914, 100.1976



51.8830, 39.8914, 69.8407



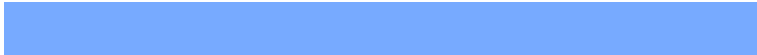
35.8746, 39.8914, 13.5783



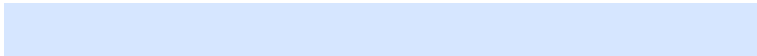
26.7110, 39.8914, 24.6977

Sweetspot

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



40.0338, 39.8927, 100.1978



73.9977, 77.8617, 105.7365



54.1326, 79.7480, 68.9581



15.3224, 16.1130, 22.5525



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.



40.0338, 39.8927, 100.1978



33.8345, 32.2668, 99.0526



34.6188, 25.5556, 97.7159



17.5610, 18.4937, 22.8940



11.7306, 8.3707, 50.4320



1.2430, 1.0167, 4.9440

Inverse Universe

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



55.0935, 37.3576, 42.3384



50.7994, 31.1795, 33.4768



74.7321, 91.2261, 31.1245



18.2911, 18.0997, 20.1500



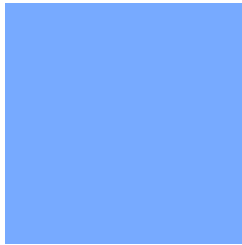
22.7092, 11.5730, 7.1193



2.2620, 1.1472, 0.9612

Previews

White Background



This preview shows how the XYZ color 40.0325, 39.8914, 100.1976 looks on a white background.

Color Contrast Check

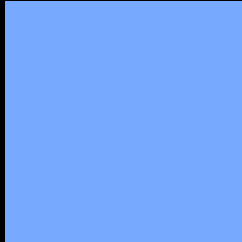
Large Text (above 18pt) WCAG AA × Fail

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 40.0325, 39.8914, 100.1976 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

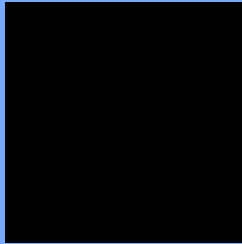
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

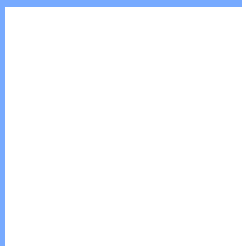
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 40.0325, 39.8914, 100.1976

Background



This preview shows how black text looks on a background with the XYZ color 40.0325, 39.8914, 100.1976.



This preview shows how white text looks on a background with the XYZ color 40.0325, 39.8914,

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

40.0325, 39.8914, 100.1976

Protanopia

42.0221, 39.8762, 97.5775

Deuteranopia

40.9547, 39.8145, 100.1342



Tritanopia

31.7288, 40.0381, 58.2804

Trichromacy



Original Color

40.0325, 39.8914, 100.1976

Protanomaly

41.0641, 39.6348, 98.4145

Deuteranomaly

40.6954, 39.9559, 100.1751

Tritanomaly

34.3886, 39.9147, 71.5375

Monochromacy



Original Color

40.0325, 39.8914, 100.1976

Achromatopsia

35.2861, 37.1238, 40.4278

Achromatomaly

35.9270, 37.5996, 58.1872

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.0325, 39.8914, 100.1976 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(119, 170, 255)` looks like.

```
.text, #text, p{  
    color:rgb(119, 170, 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(119, 170, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 170, 255) }
```

Border

The CSS property to change the border of an element to XYZ 40.0325, 39.8914, 100.1976 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(119, 170, 255) }
```


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

```
.border{ border-color:rgb(119, 170, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(119, 170, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(119, 170, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(119, 170, 255);  
box-shadow:4px 4px 4px 4px rgb(119, 170,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 40.0325, 39.8914, 100.1976 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 170, 255) }
```

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

```
.background{ background-color: rgb(119,  
170, 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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