

Converting Colors

XYZ(37.9362, 40.1155,
100.2957)

Have a look what the booklet for
XYZ(37.9362, 40.1155, 100.2957)
contains.

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Color

**XYZ(37.9961, 40.2596,
100.3760)**

Conversions

Conversions Part 1

Format	Color
Hex	5EAFFF
RGB	94, 175, 255
RGB Percent	37%, 69%, 100%
CMY	0.6313, 0.3137, 0.0000
CMYK	0.63, 0.31, 0.00, 0.00
HSL	210°, 100%, 68%
HSV	210°, 63%, 100%
XYZ	37.9961, 40.2596, 100.3760
YIQ	159.9010, -73.9560, 7.7080

Conversions

Conversions Part 2

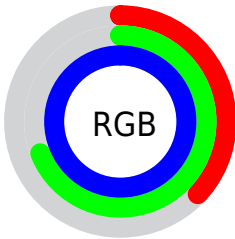
Format	Color
R _Y B	94, 148, 255
Decimal	6205439
CIE Lab	69.65, -0.87, -46.97
CIE LCh	70, 46.978, 268.941
Yxy	40.2596, 0.2127, 0.2254
Android (android.graphics.Color)	4284395519 (0xFF5EAFFF)
YUV	159.9010, 46.8838, -57.7952
Hunter-Lab	63.4505, -4.1470, -49.3790

Details

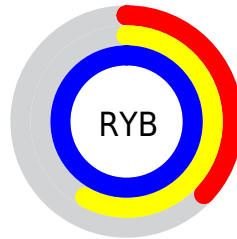
The XYZ color **37.9961, 40.2596, 100.3760** is a light color, and the websafe version is hex **3399FF**. The color can be described as light muted azure. A complement of this color would be **58.3983, 52.3434, 17.6173**, and the grayscale version is **33.1851, 34.9133, 38.0206**.

A 20% lighter version of the original color is **60.2514, 70.9817, 105.1330**, and **17.2760, 18.2431, 56.0368** is the 20% darker color. If you saturate the color by 10%, you get **33.4483, 34.4247, 99.4895**, and if you desaturate by 10%, it is **43.6414, 47.0051, 101.3805**.

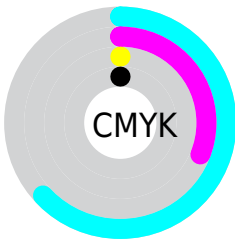
Distribution



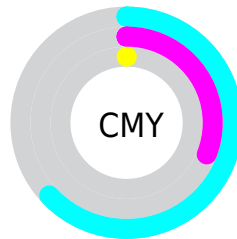
- Red (37%)
- Green (69%)
- Blue (100%)



- Red (37%)
- Yellow (58%)
- Blue (100%)



- Cyan (63%)
- Magenta (31%)
- Yellow (0%)
- Black (0%)



- Cyan (63%)
- Magenta (31%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.9961, 40.2596, 100.3760 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 37.9961, 40.2596, 100.3760 by changing the saturation by 10% instead.

■ 37.9961, 40.2596,
100.3760

■ 37.9961, 40.2596,
100.3760

328.8844,
347.2165, 582.6545

■ 26.1569, 27.7410,
75.9960

■ 71.4061, 75.5587,
163.7302

■ 17.0743, 18.1305,
55.9226

■ 93.7076, 99.1079,
203.5414

■ 10.3831, 11.0437,
39.7373

■ 120.2272,
127.1029, 249.3334

■ 5.7179, 6.0963,
27.0215

■ 151.3302,
159.9279, 301.5248

■ 2.7133, 2.9037,
17.3568

187.3821,
197.9673, 360.5340

■ 1.0041, 1.0817,
10.3246

228.7482,

■ 0.0000, 0.0000,

241.6057, 426.7797

5.5063

275.7939,
291.2273, 500.6803

■ 0.0000, 0.0000,
2.4834

■ 0.0000, 0.0000,
0.8313

■ 37.9961, 40.2596,
100.3760

■ 37.9961, 40.2596,
100.3760

■ 33.4483, 34.4247,
99.4895

■ 43.6414, 47.0051,
101.3805

■ 29.8988, 29.4380,
98.7140

■ 50.4629, 54.7089,
102.5079

■ 27.2344, 25.2319,
98.0426

■ 58.5362, 63.4194,
103.7637

■ 25.8067, 22.7335,
97.6356

■ 67.9288, 73.1797,
105.1526

■ 78.7031, 84.0302,
106.6791

■ 90.9175, 96.0087,
108.3474

■ 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.



31.2132, 40.2596, 90.3245



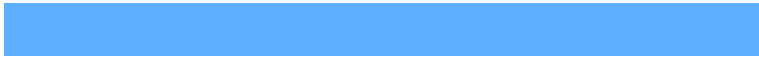
37.9961, 40.2596, 100.3760



45.7781, 40.2596, 91.5828

Triad

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



37.9961, 40.2596, 100.3760



52.5248, 40.2596, 26.5487



27.0670, 40.2596, 25.6012

Complementary

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



37.9961, 40.2596, 100.3760



58.3983, 52.3434, 17.6173

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.



31.6234, 40.2596, 16.4720



37.9961, 40.2596, 100.3760



46.3073, 40.2596, 16.8781

Square

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



37.9961, 40.2596, 100.3760



54.8070, 40.2596, 44.6139



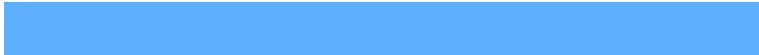
38.5363, 40.2596, 13.9020



25.4401, 40.2596, 43.0669

Rectangle

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



37.9961, 40.2596, 100.3760



50.3703, 40.2596, 77.4554



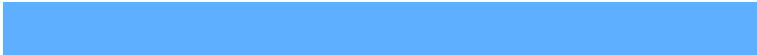
38.5363, 40.2596, 13.9020



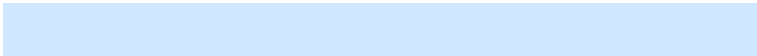
28.2743, 40.2596, 21.6993

Sweetspot

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



37.9974, 40.2609, 100.3762



72.2114, 77.5303, 105.7666



47.8063, 76.8719, 51.2581



14.8165, 15.9460, 22.5469



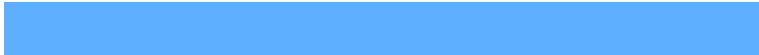
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



37.9974, 40.2609, 100.3762



32.3332, 32.9112, 99.2561



26.9134, 18.0929, 96.6815



17.7582, 18.8880, 22.9597



13.6341, 12.1778, 51.0665



1.4368, 1.4042, 5.0086

Inverse Universe

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



52.9816, 32.3623, 44.0126



49.1513, 27.1116, 35.3064



78.1708, 91.8883, 24.2081



18.3906, 18.1396, 20.6741



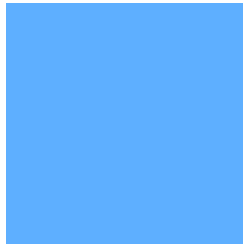
23.6701, 11.9573, 12.1789



2.3598, 1.1863, 1.4762

Previews

White Background



This preview shows how the XYZ color 37.9961, 40.2596, 100.3760 looks on a white background.

Color Contrast Check

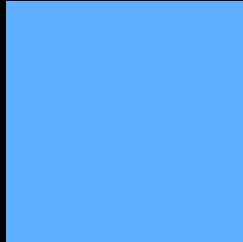
Large Text (above 18pt) WCAG AA × Fail

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 37.9961, 40.2596, 100.3760 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

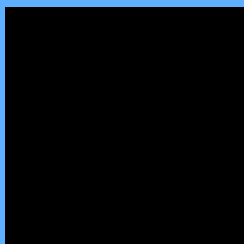
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

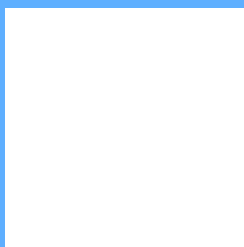
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 37.9961, 40.2596, 100.3760

Background



This preview shows how black text looks on a background with the XYZ color 37.9961, 40.2596, 100.3760.



This preview shows how white text looks on a background with the XYZ color 37.9961, 40.2596,

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

37.9961, 40.2596, 100.3760

Protanopia

41.7348, 39.8005, 94.2895

Deuteranopia

41.2912, 40.2631, 100.2030



Tritanopia

30.3483, 40.4931, 61.4748

Trichromacy



Original Color

37.9961, 40.2596, 100.3760

Protanomaly

40.0580, 39.7009, 96.8186

Deuteranomaly

39.8154, 40.0588, 100.2414

Tritanomaly

32.7596, 40.2129, 74.4419

Monochromacy



Original Color

37.9961, 40.2596, 100.3760

Achromatopsia

33.4132, 35.1533, 38.2819

Achromatomaly

33.4588, 36.0846, 56.8313

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.9961, 40.2596, 100.3760 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(94, 175, 255)` looks like.

```
.text, #text, p{  
    color:rgb(94, 175, 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(94, 175, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(94, 175, 255) }
```

Border

The CSS property to change the border of an element to XYZ 37.9961, 40.2596, 100.3760 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(94, 175, 255) }
```


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

```
.border{ border-color:rgb(94, 175, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(94, 175, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(94, 175, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(94, 175, 255);  
box-shadow:4px 4px 4px 4px rgb(94, 175,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 37.9961, 40.2596, 100.3760 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(94, 175, 255) }
```

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

```
.background{ background-color: rgb(94, 175,  
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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