

Converting Colors

XYZ(37.0431, 43.1794,
100.9898)

Have a look what the booklet for
XYZ(37.0431, 43.1794, 100.9898)
contains.

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Color

**XYZ(36.9741, 43.0416,
100.9669)**

Conversions

Conversions Part 1

Format	Color
Hex	33BAFF
RGB	51, 186, 255
RGB Percent	20%, 73%, 100%
CMY	0.7999, 0.2706, 0.0000
CMYK	0.80, 0.27, 0.00, 0.00
HSL	200°, 100%, 60%
HSV	200°, 80%, 100%
XYZ	36.9741, 43.0416, 100.9669
YIQ	153.5010, -102.6090, -7.1610

Conversions

Conversions Part 2

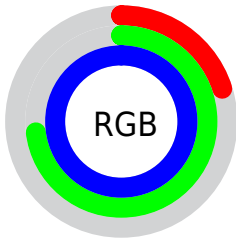
Format	Color
RYB	51, 132, 255
Decimal	3390207
CIELab	71.58, -12.52, -44.03
CIELCh	72, 45.770, 254.129
Yxy	43.0416, 0.2043, 0.2378
Android (android.graphics.Color)	4281580287 (0xFF33BAFF)
YUV	153.5010, 50.0390, -89.8934
Hunter-Lab	65.6061, -14.2121, -45.3222

Details

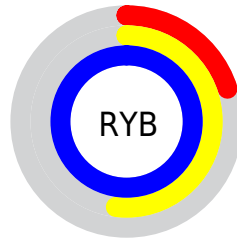
The XYZ color **36.9741, 43.0416, 100.9669** is a light color, and the websafe version is hex **66CCFF**. The color can be described as light washed azure. A complement of this color would be **48.5563, 34.9358, 7.3181**, and the grayscale version is **30.3199, 31.8989, 34.7379**.

A 20% lighter version of the original color is **58.7042, 75.3135, 106.0507**, and **18.5806, 20.8523, 56.4717** is the 20% darker color. If you saturate the color by 10%, you get **34.2604, 39.0266, 100.3349**, and if you desaturate by 10%, it is **40.5036, 47.6413, 101.6687**.

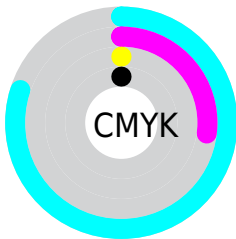
Distribution



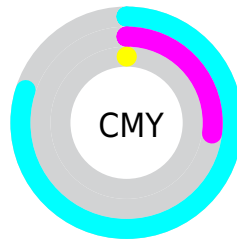
- Red (20%)
- Green (73%)
- Blue (100%)



- Red (20%)
- Yellow (52%)
- Blue (100%)



- Cyan (80%)
- Magenta (27%)
- Yellow (0%)
- Black (0%)



- Cyan (80%)
- Magenta (27%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 36.9741, 43.0416, 100.9669 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 36.9741, 43.0416, 100.9669 by changing the saturation by 10% instead.

■ 36.9741, 43.0416,
100.9669

■ 36.9741, 43.0416,
100.9669

324.5559,
358.7828, 584.5613

■ 25.3610, 29.9178,
76.4869

■ 69.8470, 79.7736,
164.5487

■ 16.4764, 19.7762,
56.3228

■ 91.8376, 104.1506,
204.4877

■ 9.9549, 12.2324,
40.0561

■ 118.0181,
133.0474, 250.4166

■ 5.4311, 6.9022,
27.2681

■ 148.7537,
166.8485, 302.7542

■ 2.5397, 3.4010,
17.5405

184.4100,
205.9381, 361.9190

■ 0.9153, 1.3445,
10.4546

225.3522,

■ 0.0000, 0.1753,

250.7008, 428.3294

5.5919

271.9457,
301.5209, 502.4040

■ 0.0000, 0.0000,
2.5338

■ 0.0000, 0.0000,
0.8580

■ 36.9741, 43.0416,
100.9669

■ 36.9741, 43.0416,
100.9669

■ 34.2604, 39.0266,
100.3349

■ 40.5036, 47.6413,
101.6687

■ 32.1919, 35.5036,
99.7639

■ 44.9472, 52.8773,
102.4451

■ 32.1906, 35.5012,
99.7635

■ 50.3928, 58.7982,
103.3009

■ 56.9159, 65.4454,
104.2402

■ 64.5843, 72.8566,
105.2665

■ 73.4599, 81.0664,
106.3834

■ 83.6001, 90.1065,
107.5938

■ 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.



31.1320, 43.0416, 83.2392



36.9741, 43.0416, 100.9669



44.6507, 43.0416, 101.5270

Triad

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



36.9741, 43.0416, 100.9669



57.1023, 43.0416, 37.2129



31.3993, 43.0416, 22.4496

Complementary

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



36.9741, 43.0416, 100.9669



48.5563, 34.9358, 7.3181

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.



37.3838, 43.0416, 16.4965



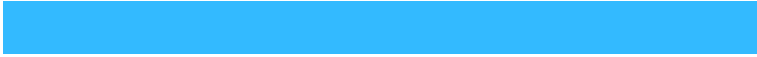
36.9741, 43.0416, 100.9669



52.5463, 43.0416, 23.0148

Square

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



36.9741, 43.0416, 100.9669



56.9563, 43.0416, 59.5111



45.1152, 43.0416, 16.6641



28.2014, 43.0416, 36.1507

Rectangle

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



36.9741, 43.0416, 100.9669



49.8390, 43.0416, 91.7306



45.1152, 43.0416, 16.6641



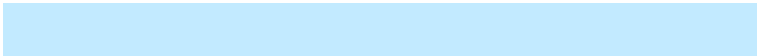
33.1163, 43.0416, 19.7002

Sweetspot

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



36.9755, 43.0430, 100.9671



69.7548, 77.6788, 105.9248



40.4566, 73.5565, 29.5220



14.2611, 16.0053, 22.5876



0.0000, 0.0000, 0.0000



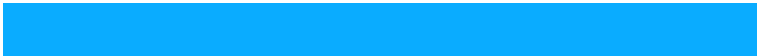
20.3446, 21.4041, 23.3091

Same Dimension

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



36.9755, 43.0430, 100.9671



32.9674, 36.8653, 99.9859



22.6658, 14.4236, 96.1972



18.0071, 19.3857, 23.0427



16.9640, 18.8377, 52.1765



1.7529, 2.0365, 5.1140

Inverse Universe

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



51.2877, 27.1745, 48.9976



48.8159, 24.4675, 41.2780



67.6952, 73.2136, 13.6977



18.5162, 18.1898, 21.3355



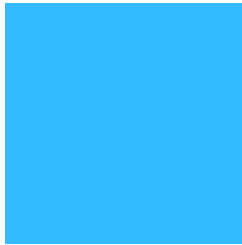
25.3509, 12.6296, 21.0299



2.5194, 1.2501, 2.3165

Previews

White Background



This preview shows how the XYZ color 36.9741, 43.0416, 100.9669 looks on a white background.

Color Contrast Check

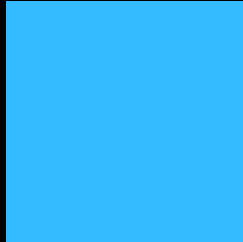
Large Text (above 18pt) WCAG AA × Fail

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 36.9741, 43.0416, 100.9669 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

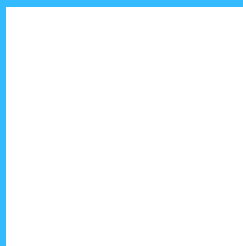
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 36.9741, 43.0416, 100.9669

Background



This preview shows how black text looks on a background with the XYZ color 36.9741, 43.0416, 100.9669.

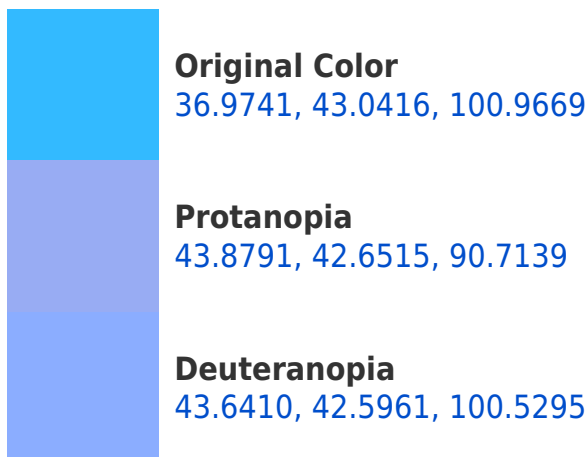


This preview shows how white text looks on a background with the XYZ color 36.9741, 43.0416,

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





Tritanopia

30.5786, 42.7434, 66.9602

Trichromacy



Original Color

36.9741, 43.0416, 100.9669

Protanomaly

39.5809, 41.8045, 93.9786

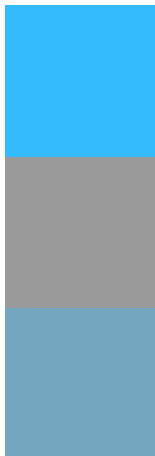
Deuteranomaly

40.0338, 42.1866, 100.6406

Tritanomaly

32.4095, 42.4563, 78.4382

Monochromacy



Original Color

36.9741, 43.0416, 100.9669

Achromatopsia

30.7148, 32.3143, 35.1903

Achromatomaly

30.3763, 34.8159, 54.4094

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.9741, 43.0416, 100.9669 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(51, 186, 255)` looks like.

```
.text, #text, p{  
    color:rgb(51, 186, 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(51, 186, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 186, 255) }
```

Border

The CSS property to change the border of an element to XYZ 36.9741, 43.0416, 100.9669 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(51, 186, 255) }
```


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

```
.border{ border-color:rgb(51, 186, 255) }
```

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

Here you see how a box with a 4 pixel rgb(51, 186, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 186, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 186, 255);  
box-shadow:4px 4px 4px 4px rgb(51, 186,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 36.9741, 43.0416, 100.9669 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 186, 255) }
```

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

```
.background{ background-color: rgb(51, 186,  
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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