

Converting Colors

XYZ(36.1137, 41.5141,
100.7174)

Have a look what the booklet for
XYZ(36.1137, 41.5141, 100.7174)
contains.

XYZ(35.9969, 41.3043, 100.6830)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(35.9969, 41.3043,
100.6830)**

Conversions

Conversions Part 1

Format	Color
Hex	30B6FF
RGB	48, 182, 255
RGB Percent	19%, 71%, 100%
CMY	0.8117, 0.2863, 0.0000
CMYK	0.81, 0.29, 0.00, 0.00
HSL	201°, 100%, 59%
HSV	201°, 81%, 100%
XYZ	35.9969, 41.3043, 100.6830
YIQ	150.2560, -103.2970, -5.7050

Conversions

Conversions Part 2

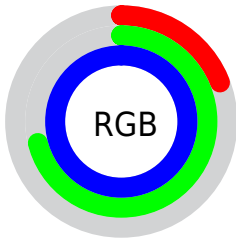
Format	Color
R _{YB}	48, 129, 255
Decimal	3192575
CIE _{Lab}	70.39, -10.61, -45.90
CIE _{LCh}	70, 47.112, 256.983
Y _{xy}	41.3043, 0.2022, 0.2321
Android (android.graphics.Color)	4281382655 (0xFF30B6FF)
Y _{UV}	150.2560, 51.6388, -89.6785
Hunter-Lab	64.2684, -12.4915, -47.8959

Details

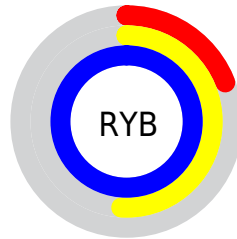
The XYZ color **35.9969, 41.3043, 100.6830** is a light color, and the websafe version is hex **66CCFF**. The color can be described as light washed azure. A complement of this color would be **48.6136, 35.1528, 7.0215**, and the grayscale version is **28.9201, 30.4262, 33.1341**.

A 20% lighter version of the original color is **57.3769, 72.8811, 105.6511**, and **18.0433, 19.7777, 56.2926** is the 20% darker color. If you saturate the color by 10%, you get **33.3377, 37.2870, 100.0478**, and if you desaturate by 10%, it is **39.4671, 45.9165, 101.3904**.

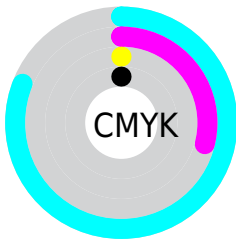
Distribution



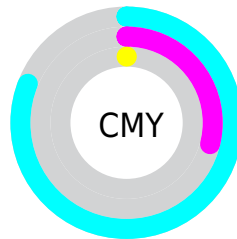
- Red (19%)
- Green (71%)
- Blue (100%)



- Red (19%)
- Yellow (51%)
- Blue (100%)



- Cyan (81%)
- Magenta (29%)
- Yellow (0%)
- Black (0%)



- Cyan (81%)
- Magenta (29%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 35.9969, 41.3043, 100.6830 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 35.9969, 41.3043, 100.6830 by changing the saturation by 10% instead.

■ 35.9969, 41.3043,
100.6830

■ 35.9969, 41.3043,
100.6830

320.3785,
351.5908, 583.6456

■ 24.6019, 28.5569,
76.2510

■ 68.3512, 77.1456,
164.1555

■ 15.9079, 18.7459,
56.1305

■ 90.0412, 101.0084,
204.0331

■ 9.5494, 11.4868,
39.9028

■ 115.8935,
129.3450, 249.8963

■ 5.1612, 6.3953,
27.1496

■ 146.2736,
162.5400, 302.1637

■ 2.3779, 3.0869,
17.4522

181.5468,
200.9776, 361.2538

■ 0.8341, 1.1773,
10.3920

222.0785,

■ 0.0000, 0.0430,

245.0424, 427.5851

5.5507

268.2339,
295.1187, 501.5762

■ 0.0000, 0.0000,
2.5095

■ 0.0000, 0.0000,
0.8452

■ 35.9969, 41.3043,
100.6830

■ 35.9969, 41.3043,
100.6830

■ 33.3377, 37.2870,
100.0478

■ 39.4671, 45.9165,
101.3904

■ 31.5170, 34.1541,
99.5390

■ 43.8495, 51.1772,
102.1748

■ 49.2337, 57.1362,
103.0412

■ 55.6966, 63.8362,
103.9938

■ 63.3069, 71.3155,
105.0364

■ 72.1276, 79.6096,
106.1724

■ 82.2166, 88.7511,
107.4051

■ 93.6280, 98.7707,
108.7377

■ 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.



29.9449, 41.3043, 83.9485



35.9969, 41.3043, 100.6830



43.7738, 41.3043, 99.3805

Triad

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



35.9969, 41.3043, 100.6830



55.3040, 41.3043, 33.6243



29.3402, 41.3043, 21.6898

Complementary

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



35.9969, 41.3043, 100.6830



48.6136, 35.1528, 7.0215

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.



35.0649, 41.3043, 15.2604



35.9969, 41.3043, 100.6830



50.3271, 41.3043, 20.4306

Square

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



35.9969, 41.3043, 100.6830



55.6401, 41.3043, 55.2867



42.7114, 41.3043, 14.8915



26.4563, 41.3043, 36.0296

Rectangle

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



35.9969, 41.3043, 100.6830



48.9224, 41.3043, 88.4026



42.7114, 41.3043, 14.8915



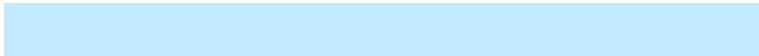
30.9592, 41.3043, 18.7713

Sweetspot

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



35.9983, 41.3056, 100.6832



69.5036, 77.1764, 105.8411



40.3983, 73.5162, 29.9780



14.2004, 15.8840, 22.5674



0.0000, 0.0000, 0.0000



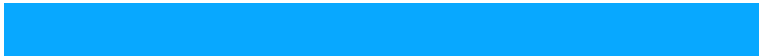
20.3446, 21.4041, 23.3091

Same Dimension

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



35.9983, 41.3056, 100.6832



32.1049, 35.1876, 99.7075



22.0708, 13.4506, 96.0407



17.9842, 19.3400, 23.0351



16.6141, 18.1377, 52.0599



1.7205, 1.9717, 5.1032

Inverse Universe

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



50.7415, 26.7531, 46.7466



48.3689, 24.2444, 39.0610



68.4170, 74.7597, 13.6226



18.5047, 18.1852, 21.2748



25.1742, 12.5590, 20.0997



2.5030, 1.2436, 2.2304

Previews

White Background



This preview shows how the XYZ color 35.9969, 41.3043, 100.6830 looks on a white background.

Color Contrast Check

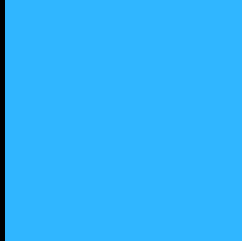
Large Text (above 18pt) WCAG AA × Fail

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 35.9969, 41.3043, 100.6830 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

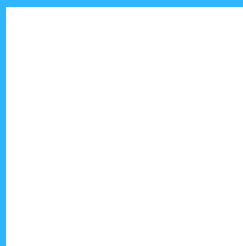
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 35.9969, 41.3043, 100.6830

Background



This preview shows how black text looks on a background with the XYZ color 35.9969, 41.3043, 100.6830.

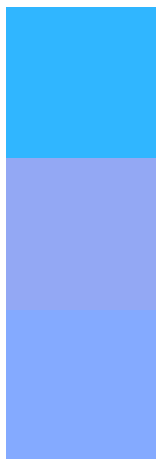


This preview shows how white text looks on a background with the XYZ color 35.9969, 41.3043,

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

35.9969, 41.3043, 100.6830

Protanopia

42.3644, 40.7400, 91.2187

Deuteranopia

41.9404, 40.8750, 100.2869



Tritanopia

29.4329, 41.2347, 64.1654

Trichromacy



Original Color

35.9969, 41.3043, 100.6830

Protanomaly

38.4424, 40.0440, 94.5101

Deuteranomaly

38.5529, 40.2588, 100.3465

Tritanomaly

31.3208, 40.9875, 76.0726

Monochromacy



Original Color

35.9969, 41.3043, 100.6830

Achromatopsia

28.9890, 30.4987, 33.2131

Achromatomaly

28.8075, 32.9822, 52.4248

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.9969, 41.3043, 100.6830 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(48, 182, 255)` looks like.

```
.text, #text, p{  
    color:rgb(48, 182, 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(48, 182, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(48, 182, 255) }
```

Border

The CSS property to change the border of an element to XYZ 35.9969, 41.3043, 100.6830 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(48, 182, 255) }
```


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

```
.border{ border-color:rgb(48, 182, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(48, 182, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(48, 182, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(48, 182, 255);  
box-shadow:4px 4px 4px 4px rgb(48, 182,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 35.9969, 41.3043, 100.6830 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(48, 182, 255) }
```

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

```
.background{ background-color: rgb(48, 182,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor