

Converting Colors

XYZ(37.1221, 43.3375,
101.0162)

Have a look what the booklet for
XYZ(37.1221, 43.3375, 101.0162)
contains.

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Color

**XYZ(37.1856, 43.4645,
101.0373)**

Conversions

Conversions Part 1

Format	Color
Hex	33BBFF
RGB	51, 187, 255
RGB Percent	20%, 73%, 100%
CMY	0.7999, 0.2667, 0.0000
CMYK	0.80, 0.27, 0.00, 0.00
HSL	200°, 100%, 60%
HSV	200°, 80%, 100%
XYZ	37.1856, 43.4645, 101.0373
YIQ	154.0880, -102.8840, -7.6840

Conversions

Conversions Part 2

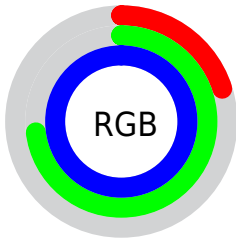
Format	Color
R _Y B	51, 133, 255
Decimal	3390463
CIE Lab	71.87, -13.05, -43.58
CIE LCh	72, 45.491, 253.324
Yxy	43.4645, 0.2047, 0.2392
Android (android.graphics.Color)	4281580543 (0xFF33BBFF)
YUV	154.0880, 49.7496, -90.4082
Hunter-Lab	65.9276, -14.6927, -44.7155

Details

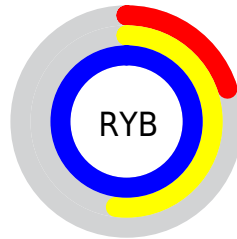
The XYZ color **37.1856, 43.4645, 101.0373** is a light color, and the websafe version is hex **66CCFF**. The color can be described as light washed azure. A complement of this color would be **48.4368, 34.6969, 7.2785**, and the grayscale version is **30.5777, 32.1701, 35.0332**.

A 20% lighter version of the original color is **59.0027, 75.9104, 106.1501**, and **18.7181, 21.1274, 56.5175** is the 20% darker color. If you saturate the color by 10%, you get **34.4842, 39.4742, 100.4095**, and if you desaturate by 10%, it is **40.6999, 48.0338, 101.7341**.

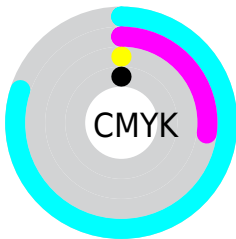
Distribution



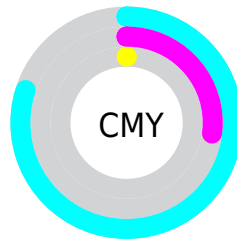
- Red (20%)
- Green (73%)
- Blue (100%)



- 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 37.1856, 43.4645, 101.0373 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 37.1856, 43.4645, 101.0373 by changing the saturation by 10% instead.

■ 37.1856, 43.4645,
101.0373

■ 37.1856, 43.4645,
101.0373

325.4550,
360.5185, 584.7883

■ 25.5256, 30.2497,
76.5454

■ 70.1701, 80.4113,
164.6462

■ 16.5999, 20.0282,
56.3705

■ 92.2253, 104.9122,
204.6004

■ 10.0431, 12.4156,
40.0941

■ 118.4763,
133.9439, 250.5456

■ 5.4901, 7.0274,
27.2976

■ 149.2884,
167.8908, 302.9006

■ 2.5752, 3.4792,
17.5624

185.0269,
207.1373, 362.0838

■ 0.9334, 1.3867,
10.4701

226.0573,

■ 0.0000, 0.2069,

252.0679, 428.5138

5.6021

272.7449,
303.0668, 502.6091

■ 0.0000, 0.0000,
2.5398

■ 0.0000, 0.0000,
0.8612

■ 37.1856, 43.4645,
101.0373

■ 37.1856, 43.4645,
101.0373

■ 34.4842, 39.4742,
100.4095

■ 40.6999, 48.0338,
101.7341

■ 32.4252, 35.9700,
99.8417

■ 45.1253, 53.2332,
102.5044

■ 32.4237, 35.9675,
99.8412

■ 50.5496, 59.1113,
103.3531

■ 57.0481, 65.7094,
104.2842

■ 64.6887, 73.0649,
105.3012

■ 73.5332, 81.2123,
106.4077

■ 83.6389, 90.1833,
107.6066

■ 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.



31.4012, 43.4645, 83.0160



37.1856, 43.4645, 101.0373



44.8380, 43.4645, 102.1113

Triad

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



37.1856, 43.4645, 101.0373



57.5557, 43.4645, 38.1650



31.9169, 43.4645, 22.5930

Complementary

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



37.1856, 43.4645, 101.0373



48.4368, 34.6969, 7.2785

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.



37.9753, 43.4645, 16.7820



37.1856, 43.4645, 101.0373



53.1147, 43.4645, 23.6874

Square

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



37.1856, 43.4645, 101.0373



57.2750, 43.4645, 60.6435



45.7323, 43.4645, 17.1075



28.6298, 43.4645, 36.1156

Rectangle

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



37.1856, 43.4645, 101.0373



50.0409, 43.4645, 92.6326



45.7323, 43.4645, 17.1075



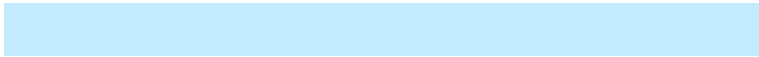
33.6617, 43.4645, 19.8935

Sweetspot

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



37.1870, 43.4659, 101.0375



69.8404, 77.8500, 105.9533



40.4568, 73.5565, 29.5223



14.2818, 16.0467, 22.5945



0.0000, 0.0000, 0.0000



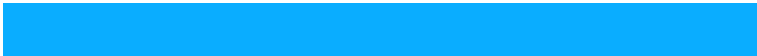
20.3446, 21.4041, 23.3091

Same Dimension

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



37.1870, 43.4659, 101.0375



33.1971, 37.3247, 100.0625



22.6660, 14.4238, 96.1972



18.0148, 19.4012, 23.0453



17.0851, 19.0798, 52.2169



1.7641, 2.0589, 5.1177

Inverse Universe

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



51.3945, 27.2173, 49.5596



48.9318, 24.5139, 41.8885



67.6953, 73.2138, 13.6979



18.5201, 18.1914, 21.3561



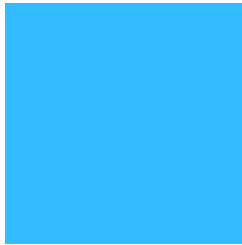
25.4120, 12.6541, 21.3517



2.5250, 1.2524, 2.3462

Previews

White Background



This preview shows how the XYZ color 37.1856, 43.4645, 101.0373 looks on a white background.

Color Contrast Check

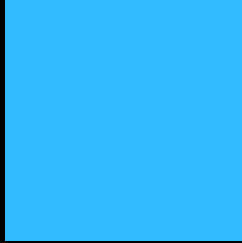
Large Text (above 18pt) WCAG AA × Fail

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 37.1856, 43.4645, 101.0373 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

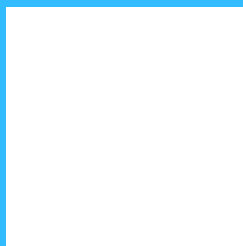
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 37.1856, 43.4645, 101.0373

Background



This preview shows how black text looks on a background with the XYZ color 37.1856, 43.4645, 101.0373.



This preview shows how white text looks on a background with the XYZ color 37.1856, 43.4645,

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

37.1856, 43.4645, 101.0373

Protanopia

44.0671, 42.7484, 90.7227

Deuteranopia

44.1706, 43.1548, 100.6094



Tritanopia

30.9246, 43.2367, 67.6884

Trichromacy



Original Color

37.1856, 43.4645, 101.0373

Protanomaly

39.7131, 41.8727, 93.9848

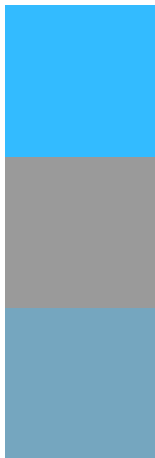
Deuteranomaly

40.3544, 42.6483, 100.7128

Tritanomaly

32.6268, 42.8910, 78.5107

Monochromacy



Original Color

37.1856, 43.4645, 101.0373

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 37.1856, 43.4645, 101.0373 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, 187, 255)` looks like.

```
.text, #text, p{  
    color:rgb(51, 187, 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, 187, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 187, 255) }
```

Border

The CSS property to change the border of an element to XYZ 37.1856, 43.4645, 101.0373 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, 187, 255) }
```


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

```
.border{ border-color:rgb(51, 187, 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, 187, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 187, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 187, 255);  
box-shadow:4px 4px 4px 4px rgb(51, 187,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 37.1856, 43.4645, 101.0373 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 187, 255) }
```

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

```
.background{ background-color: rgb(51, 187,  
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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