

Converting Colors

XYZ(37.7772, 46.2339,
101.5407)

Have a look what the booklet for
XYZ(37.7772, 46.2339, 101.5407)
contains.

XYZ(37.8536, 46.3989, 101.5685)	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(37.8536, 46.3989,
101.5685)**

Conversions

Conversions Part 1

Format	Color
Hex	14C3FF
RGB	20, 195, 255
RGB Percent	8%, 76%, 100%
CMY	0.9214, 0.2353, 0.0000
CMYK	0.92, 0.24, 0.00, 0.00
HSL	195°, 100%, 54%
HSV	195°, 92%, 100%
XYZ	37.8536, 46.3989, 101.5685
YIQ	149.5150, -123.5600, -18.4400

Conversions

Conversions Part 2

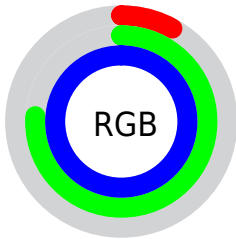
Format	Color
R _Y B	20, 120, 255
Decimal	1360895
CIE Lab	73.80, -19.22, -40.58
CIE LCh	74, 44.903, 244.663
Yxy	46.3989, 0.2037, 0.2497
Android (android.graphics.Color)	4279550975 (0xFF14C3FF)
YUV	149.5150, 52.0041, -113.5847
Hunter-Lab	68.1167, -20.0089, -40.7253

Details

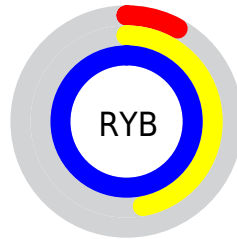
The XYZ color **37.8536, 46.3989, 101.5685** is a light color, and the websafe version is hex **33CCFF**. The color can be described as light washed cyan. A complement of this color would be **44.2387, 27.0548, 3.5545**, and the grayscale version is **28.6154, 30.1056, 32.7850**.

A 20% lighter version of the original color is **60.1965, 80.6227, 106.9968**, and **19.7179, 23.1270, 56.8508** is the 20% darker color. If you saturate the color by 10%, you get **36.4380, 43.9960, 101.1793**, and if you desaturate by 10%, it is **40.1631, 49.8037, 102.1040**.

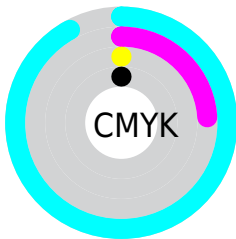
Distribution



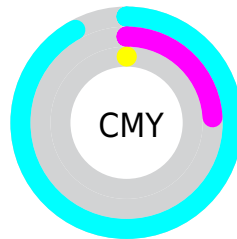
- Red (8%)
- Green (76%)
- Blue (100%)



- Red (8%)
- Yellow (47%)
- Blue (100%)



- Cyan (92%)
- Magenta (24%)
- Yellow (0%)
- Black (0%)



- Cyan (92%)
- Magenta (24%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.8536, 46.3989, 101.5685 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 37.8536, 46.3989, 101.5685 by changing the saturation by 10% instead.

37.8536, 46.3989,
101.5685

37.8536, 46.3989,
101.5685

328.2833,
372.4100, 586.4994

26.0458, 32.5607,
76.9869

71.1890, 84.8157,
165.3816

16.9908, 21.7901,
56.7307

93.4474, 110.1630,
205.4503

10.3232, 13.7028,
40.3811

119.9199,
140.1156, 251.5184

5.6777, 7.9142,
27.5198

150.9720,
175.0578, 304.0044

2.6889, 4.0401,
17.7281

186.9691,
215.3739, 363.3270

0.9914, 1.6960,
10.5875

228.2764,

0.0000, 0.4211,

261.4484, 429.9047

5.6795

275.2593,
313.6656, 504.1560

■ 0.0000, 0.0000,
2.5856

■ 0.0000, 0.0000,
0.8850

■ 37.8536, 46.3989,
101.5685

■ 37.8536, 46.3989,
101.5685

■ 36.4380, 43.9960,
101.1793

■ 40.1631, 49.8037,
102.1040

■ 43.2142, 53.6857,
102.6925

■ 47.1146, 58.1023,
103.3394

■ 51.9523, 63.1000,
104.0491

■ 57.8040, 68.7194,
104.8253

■ 64.7378, 74.9968,
105.6715

■ 72.8159, 81.9652,
106.5908

■ 82.0957, 89.6554,
107.5861

■ 92.6302, 98.0957,
108.6600

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



32.6435, 46.3989, 79.8692



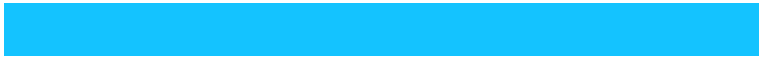
37.8536, 46.3989, 101.5685



45.3602, 46.3989, 108.2116

Triad

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



37.8536, 46.3989, 101.5685



61.2341, 46.3989, 47.0309



35.9352, 46.3989, 22.3059

Complementary

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



37.8536, 46.3989, 101.5685



44.2387, 27.0548, 3.5545

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.



42.8648, 46.3989, 18.1548



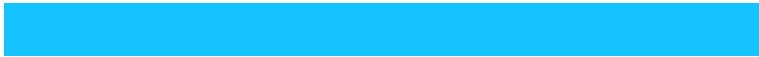
37.8536, 46.3989, 101.5685



57.9669, 46.3989, 29.4185

Square

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



37.8536, 46.3989, 101.5685



59.4770, 46.3989, 71.7612



51.0000, 46.3989, 20.2975



31.6332, 46.3989, 33.9486

Rectangle

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



37.8536, 46.3989, 101.5685



50.8199, 46.3989, 101.9170



51.0000, 46.3989, 20.2975



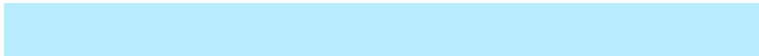
38.0016, 46.3989, 20.1788

Sweetspot

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



37.8551, 46.4004, 101.5687



67.9383, 77.7946, 106.0429



37.4530, 72.2306, 19.3244



13.8281, 16.0273, 22.6147



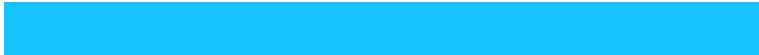
0.0000, 0.0000, 0.0000



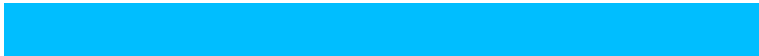
20.3446, 21.4041, 23.3091

Same Dimension

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



37.8551, 46.4004, 101.5687



36.4380, 43.9960, 101.1793



21.1201, 12.9304, 95.9904



18.1391, 19.6499, 23.0867



19.1659, 23.2414, 52.9105



1.9537, 2.4382, 5.1809

Inverse Universe

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



51.3416, 25.7023, 53.8861



50.5214, 24.9726, 50.8053



61.1658, 60.9089, 9.1969



18.5829, 18.2165, 21.6865



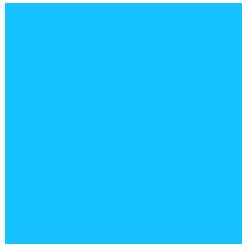
26.4623, 13.0742, 26.8825



2.6208, 1.2907, 2.8504

Previews

White Background



This preview shows how the XYZ color 37.8536, 46.3989, 101.5685 looks on a white background.

Color Contrast Check

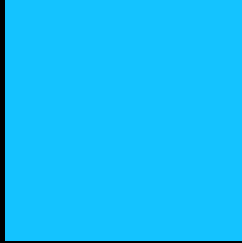
Large Text (above 18pt) WCAG AA × Fail

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 37.8536, 46.3989, 101.5685 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

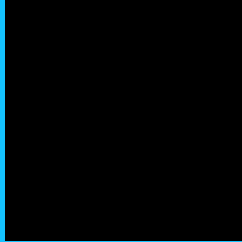
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

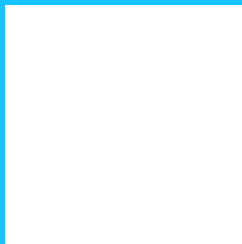
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 37.8536, 46.3989, 101.5685

Background



This preview shows how black text looks on a background with the XYZ color 37.8536, 46.3989, 101.5685.



This preview shows how white text looks on a background with the XYZ color 37.8536, 46.3989,

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

37.8536, 46.3989, 101.5685

Protanopia

46.8477, 45.9330, 90.4012

Deuteranopia

46.7329, 45.6401, 100.9541



Tritanopia

32.9200, 46.2148, 71.4753

Trichromacy



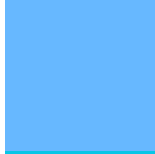
Original Color

37.8536, 46.3989, 101.5685



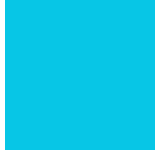
Protanomaly

40.3594, 44.3114, 94.4215



Deuteranomaly

40.7840, 44.3845, 101.0253



Tritanomaly

34.5646, 46.1465, 81.9483

Monochromacy



Original Color

37.8536, 46.3989, 101.5685



Achromatopsia

28.9890, 30.4987, 33.2131



Achromatomaly

28.3068, 33.7868, 52.6065

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.8536, 46.3989, 101.5685 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(20, 195, 255)` looks like.

```
.text, #text, p{  
    color:rgb(20, 195, 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(20, 195, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(20, 195, 255) }
```

Border

The CSS property to change the border of an element to XYZ 37.8536, 46.3989, 101.5685 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(20, 195, 255) }
```


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

```
.border{ border-color:rgb(20, 195, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(20, 195, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(20, 195, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(20, 195, 255);  
box-shadow:4px 4px 4px 4px rgb(20, 195,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 37.8536, 46.3989, 101.5685 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(20, 195, 255) }
```

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

```
.background{ background-color: rgb(20, 195,  
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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