

Converting Colors

Hex(33BBFF)

Have a look what the booklet for
Hex(33BBFF) contains.

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Color

Hex(33BBFF)

Conversions

Conversions Part 1

Format	Color
Hex	33BBFF
RGB	51, 187, 255
RGB Percent	20%, 73%, 100%
CMY	0.8000, 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

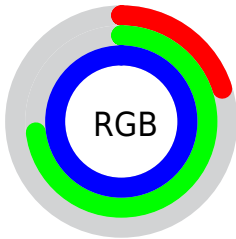
Format	Color
R _Y B	51, 133, 255
Decimal	3390463
CIE Lab	71.87, -13.05, -43.58
CIE LCh	72, 45.491, 253.324
Yxy	43.4645, 0.2047, 0.2392
Android (android.graphics.Color)	4281580543 (0xFF33BBFF)
YUV	154.0880, 49.7496, -90.4082
Hunter-Lab	65.9276, -14.6927, -44.7156

Details

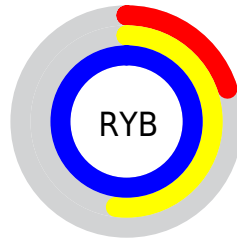
The Hex color **33BBFF** is a light color, and the websafe version is hex **66CCFF**. The color can be described as light washed azure. A complement of this color would be **FF7733**, and the grayscale version is **9A9A9A**.

A 20% lighter version of the original color is **80F3FF**, and **0086C6** is the 20% darker color. If you saturate the color by 10%, you get **19B2FF**, and if you desaturate by 10%, it is **4DC3FF**.

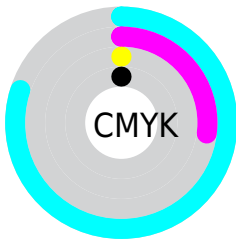
Distribution



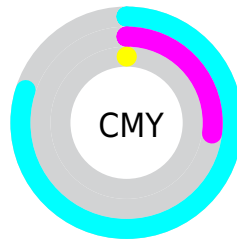
- Red (20%)
- Green (73%)
- Blue (100%)



- 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 Hex color 33BBFF 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 Hex color 33BBFF by changing the saturation by 10% instead.

 33BBFF

 33BBFF

FFFFFF

 00A0E2

 80F3FF

 0086C6

 A1FFFF

 006DAA

 C1FFFF

 005590

 E0FFFF

 003E76

 00285D

 001245

 00032E

 000118

 33BBFF

 33BBFF

 19B2FF

 4DC3FF

 00AAFF

 66CCFF

 80D4FF

 99DDFF

 B3E5FF

 CCEEFF

 E6F7FF

FFFFFF

Harmonies

Analogous

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



00C3E8



33BBFF



8FAEFF

Triad

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



33BBFF



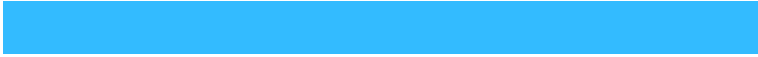
FF8F9F



8ABE72

Complementary

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



33BBFF



FF7733

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.



B8B45D



33BBFF



F89779

Square

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



33BBFF



F292C9



DEA660



50C497

Rectangle

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



33BBFF



BAA4F6



DEA660



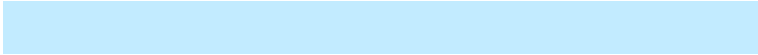
9ABB69

Sweetspot

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



33BBFF



C2EBFF



33FF77



5B7380



000000



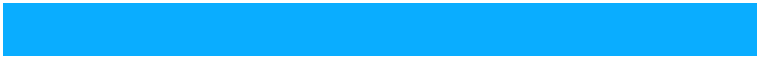
808080

Same Dimension

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



33BBFF



0AADFF



3355FF



737B80



007FBF



002A40

Inverse Universe

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



FF33BB



FF0AAD



FFDD33



80737B



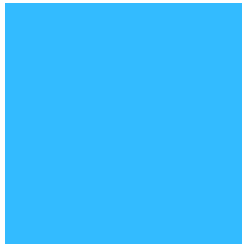
BF007F



40002A

Previews

White Background



This preview shows how the Hex color 33BBFF looks on a white background.

Color Contrast Check

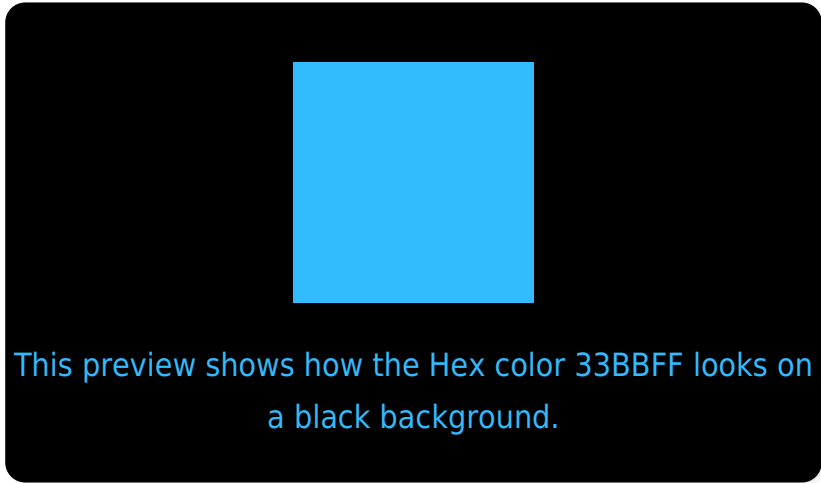
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

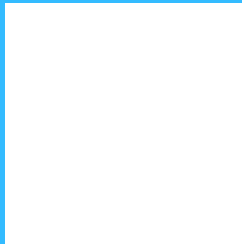
Any Text WCAG AAA ✓ Pass

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

Hex 33BBFF Background



This preview shows how black text looks on a background with the Hex color 33BBFF.

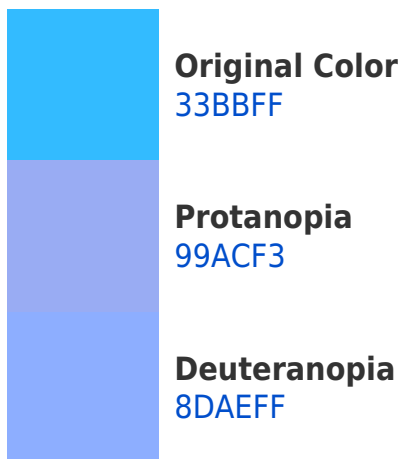


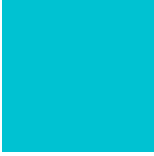
This preview shows how white text looks on a background with the Hex color 33BBFF.

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](#).

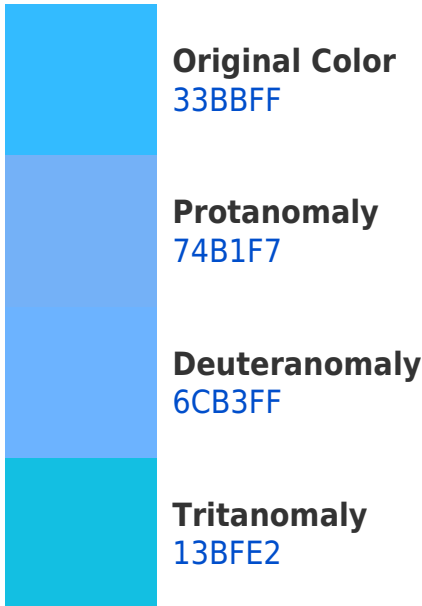
Dichromacy



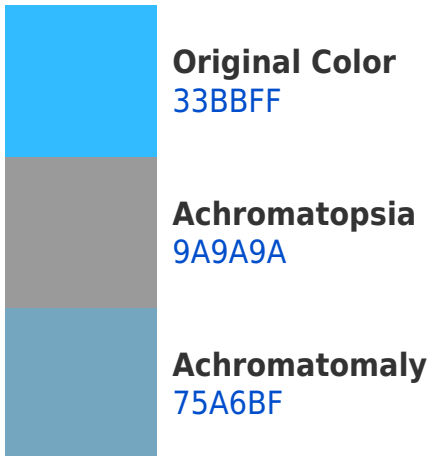


Tritanopia
00C2D2

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to Hex 33BBFF 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 #33BBFF looks like.

```
.text, #text, p{  
  color:#33BBFF  
}
```

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 #33BBFF colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #33BBFF
}
```

Border

The CSS property to change the border of an element to Hex 33BBFF 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
#33BBFF }
```

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

```
.border{ border-color:#33BBFF }
```

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

Here you see how a box with a 4 pixel #33BBFF colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #33BBFF; -webkit-box-shadow:4px 4px  
4px 4px #33BBFF; box-shadow:4px 4px 4px  
4px #33BBFF }
```

Background

The CSS property to change the background color of an element to Hex 33BBFF is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#33BBFF }
```

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

```
.background{ background-color:#33BBFF }
```

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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