

Converting Colors

XYZ(34.7144, 40.0261,
100.5039)

Have a look what the booklet for
XYZ(34.7144, 40.0261, 100.5039)
contains.

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Color

**XYZ(34.7246, 40.0447,
100.5070)**

Conversions

Conversions Part 1

Format	Color
Hex	17B4FF
RGB	23, 180, 255
RGB Percent	9%, 71%, 100%
CMY	0.9096, 0.2941, 0.0000
CMYK	0.91, 0.29, 0.00, 0.00
HSL	199°, 100%, 55%
HSV	199°, 91%, 100%
XYZ	34.7246, 40.0447, 100.5070
YIQ	141.6070, -117.6470, -9.9590

Conversions

Conversions Part 2

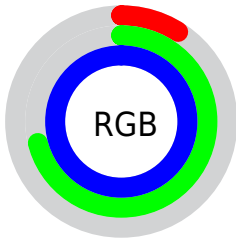
Format	Color
R _Y B	23, 117, 255
Decimal	1553663
CIE Lab	69.50, -11.10, -47.32
CIE LCh	70, 48.603, 256.798
Yxy	40.0447, 0.1981, 0.2285
Android (android.graphics.Color)	4279743743 (0xFF17B4FF)
YUV	141.6070, 55.9027, -104.0183
Hunter-Lab	63.2809, -12.7919, -49.8718

Details

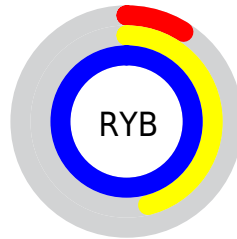
The XYZ color **34.7246, 40.0447, 100.5070** is a light color, and the websafe version is hex **3399CC**. The color can be described as light washed azure. A complement of this color would be **45.7663, 30.0645, 4.2036**, and the grayscale version is **25.3811, 26.7029, 29.0795**.

A 20% lighter version of the original color is **55.3816, 70.9928, 105.3918**, and **17.7824, 19.2560, 56.2056** is the 20% darker color. If you saturate the color by 10%, you get **32.9079, 36.9358, 100.0026**, and if you desaturate by 10%, it is **37.3305, 43.9335, 101.1202**.

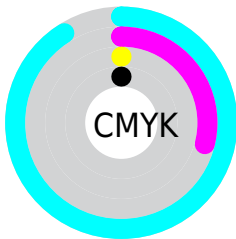
Distribution



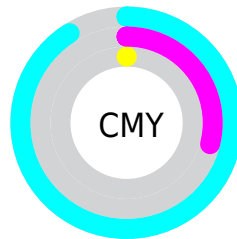
- Red (9%)
- Green (71%)
- Blue (100%)



- Red (9%)
- Yellow (46%)
- Blue (100%)



- Cyan (91%)
- Magenta (29%)
- Yellow (0%)
- Black (0%)



- Cyan (91%)
- Magenta (29%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 34.7246, 40.0447, 100.5070 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 34.7246, 40.0447, 100.5070 by changing the saturation by 10% instead.

■ 34.7246, 40.0447,
100.5070

■ 34.7246, 40.0447,
100.5070

314.8804,
346.3119, 583.0775

■ 23.6163, 27.5734,
76.1048

■ 66.3957, 75.2316,
163.9117

■ 15.1724, 18.0043,
56.0113

■ 87.6893, 98.7159,
203.7512

■ 9.0276, 10.9531,
39.8079

■ 113.1087,
126.6401, 249.5737

■ 4.8164, 6.0353,
27.0761

■ 143.0193,
159.3885, 301.7975

■ 2.1736, 2.8666,
17.3975

■ 177.7864,
197.3455, 360.8412

■ 0.7288, 1.0625,
10.3533

217.7754,

■ 0.0000, 0.0000,

240.8954, 427.1234

5.5252

263.3516,
290.4228, 501.0627

■ 0.0000, 0.0000,
2.4945

■ 0.0000, 0.0000,
0.8372

■ 34.7246, 40.0447,
100.5070

■ 34.7246, 40.0447,
100.5070

■ 32.9079, 36.9358,
100.0026

■ 37.3305, 43.9335,
101.1202

■ 40.7281, 48.3794,
101.7993

■ 45.0231, 53.4397,
102.5497

■ 50.3027, 59.1619,
103.3759

■ 56.6434, 65.5875,
104.2820

■ 64.1132, 72.7541,
105.2716

■ 72.7745, 80.6958,
106.3480

■ 82.6847, 89.4445,
107.5143

■ 93.8975, 99.0300,
108.7735

Harmonies

Analogous

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



28.6553, 40.0447, 83.1985



34.7246, 40.0447, 100.5070



42.5810, 40.0447, 99.2900

Triad

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



34.7246, 40.0447, 100.5070



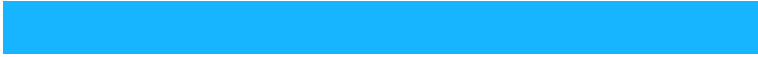
54.3738, 40.0447, 32.2886



28.1060, 40.0447, 20.2408

Complementary

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



34.7246, 40.0447, 100.5070



45.7663, 30.0645, 4.2036

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.



33.8733, 40.0447, 13.9759



34.7246, 40.0447, 100.5070



49.3286, 40.0447, 19.1153

Square

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



34.7246, 40.0447, 100.5070



54.6845, 40.0447, 54.2119



41.6052, 40.0447, 13.6505



25.2026, 40.0447, 34.4752

Rectangle

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



34.7246, 40.0447, 100.5070



47.8124, 40.0447, 88.0549



41.6052, 40.0447, 13.6505



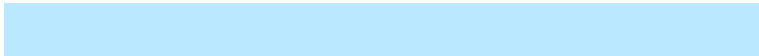
29.7352, 40.0447, 17.3831

Sweetspot

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



34.7259, 40.0459, 100.5071



67.4013, 75.8082, 105.6878



38.2484, 72.5563, 23.1748



13.8181, 15.6615, 22.5446



0.0000, 0.0000, 0.0000



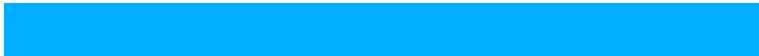
20.3446, 21.4041, 23.3091

Same Dimension

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



34.7259, 40.0459, 100.5071



32.9079, 36.9358, 100.0026



20.3272, 11.2485, 95.7076



18.0307, 19.4331, 23.0506



17.3365, 19.5825, 52.3007



1.7872, 2.1051, 5.1254

Inverse Universe

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



49.7856, 25.1698, 45.4153



48.7396, 24.2598, 41.4223



65.0572, 68.6463, 10.6339



18.5282, 18.1946, 21.3984



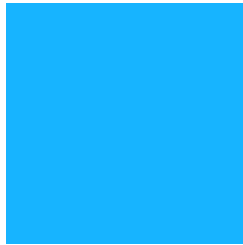
25.5389, 12.7048, 22.0198



2.5367, 1.2571, 2.4077

Previews

White Background



This preview shows how the XYZ color 34.7246, 40.0447, 100.5070 looks on a white background.

Color Contrast Check

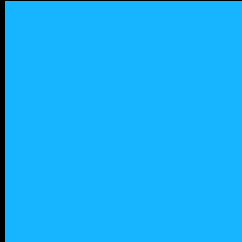
Large Text (above 18pt) WCAG AA × Fail

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 34.7246, 40.0447, 100.5070 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

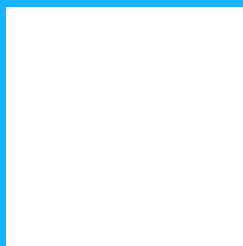
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 34.7246, 40.0447, 100.5070

Background



This preview shows how black text looks on a background with the XYZ color 34.7246, 40.0447, 100.5070.

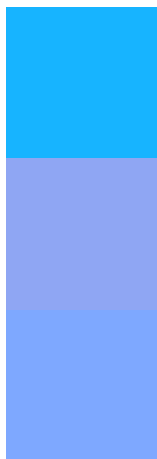


This preview shows how white text looks on a background with the XYZ color 34.7246, 40.0447,

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

34.7246, 40.0447, 100.5070

Protanopia

41.1416, 39.5831, 90.2659

Deuteranopia

40.6568, 39.6609, 100.1202



Tritanopia

28.3129, 39.7577, 61.4401

Trichromacy



Original Color

34.7246, 40.0447, 100.5070



Protanomaly

36.4970, 38.4939, 93.5022



Deuteranomaly

36.9223, 38.8489, 100.1603



Tritanomaly

30.2918, 39.5531, 74.4446

Monochromacy



Original Color

34.7246, 40.0447, 100.5070



Achromatopsia

25.7108, 27.0498, 29.4572



Achromatomaly

25.5813, 29.8485, 49.2128

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.7246, 40.0447, 100.5070 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(23, 180, 255)` looks like.

```
.text, #text, p{  
    color:rgb(23, 180, 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(23, 180, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(23, 180, 255) }
```

Border

The CSS property to change the border of an element to XYZ 34.7246, 40.0447, 100.5070 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(23, 180, 255) }
```


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

```
.border{ border-color:rgb(23, 180, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(23, 180, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(23, 180, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(23, 180, 255);  
box-shadow:4px 4px 4px 4px rgb(23, 180,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 34.7246, 40.0447, 100.5070 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(23, 180, 255) }
```

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

```
.background{ background-color: rgb(23, 180,  
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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