

Converting Colors

XYZ(34.7227, 39.8516,
100.4698)

Have a look what the booklet for
XYZ(34.7227, 39.8516, 100.4698)
contains.

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Color

**XYZ(34.6490, 39.7071,
100.4458)**

Conversions

Conversions Part 1

Format	Color
Hex	1CB3FF
RGB	28, 179, 255
RGB Percent	11%, 70%, 100%
CMY	0.8901, 0.2980, 0.0000
CMYK	0.89, 0.30, 0.00, 0.00
HSL	200°, 100%, 55%
HSV	200°, 89%, 100%
XYZ	34.6490, 39.7071, 100.4458
YIQ	142.5150, -114.3920, -8.3760

Conversions

Conversions Part 2

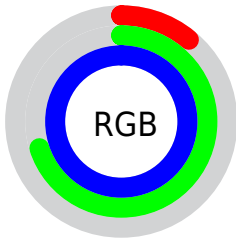
Format	Color
R _Y B	28, 119, 255
Decimal	1881087
CIE Lab	69.26, -10.32, -47.69
CIE LCh	69, 48.798, 257.789
Yxy	39.7071, 0.1982, 0.2272
Android (android.graphics.Color)	4280071167 (0xFF1CB3FF)
YUV	142.5150, 55.4551, -100.4297
Hunter-Lab	63.0136, -12.1227, -50.4008

Details

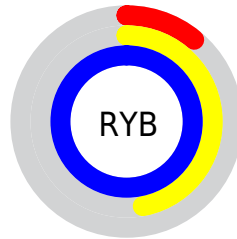
The XYZ color **34.6490, 39.7071, 100.4458** is a light color, and the websafe version is hex **3399CC**. The color can be described as light washed azure. A complement of this color would be **46.4036, 31.2512, 4.6871**, and the grayscale version is **25.7391, 27.0795, 29.4896**.

A 20% lighter version of the original color is **55.2295, 70.4882, 105.3024**, and **17.7824, 19.2560, 56.2056** is the 20% darker color. If you saturate the color by 10%, you get **32.5435, 36.1599, 99.8721**, and if you desaturate by 10%, it is **37.4317, 43.7619, 101.0818**.

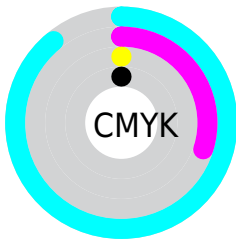
Distribution



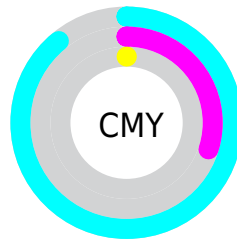
- Red (11%)
- Green (70%)
- Blue (100%)



- Red (11%)
- Yellow (47%)
- Blue (100%)



- Cyan (89%)
- Magenta (30%)
- Yellow (0%)
- Black (0%)



- Cyan (89%)
- Magenta (30%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 34.6490, 39.7071, 100.4458 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 34.6490, 39.7071, 100.4458 by changing the saturation by 10% instead.

■ 34.6490, 39.7071,
100.4458

■ 34.6490, 39.7071,
100.4458

■ 314.5515,
344.8875, 582.8799

■ 23.5579, 27.3102,
76.0539

■ 66.2793, 74.7173,
163.8269

■ 15.1289, 17.8064,
55.9698

■ 87.5491, 98.0994,
203.6532

■ 8.9968, 10.8111,
39.7749

■ 112.9426,
125.9121, 249.4614

■ 4.7962, 5.9399,
27.0506

■ 142.8250,
158.5397, 301.6701

■ 2.1617, 2.8086,
17.3785

■ 177.5618,
196.3667, 360.6977

■ 0.7224, 1.0326,
10.3399

217.5182,

■ 0.0000, 0.0000,

239.7774, 426.9629

5.5164

263.0597,
289.1562, 500.8841

■ 0.0000, 0.0000,
2.4893

■ 0.0000, 0.0000,
0.8345

■ 34.6490, 39.7071,
100.4458

■ 34.6490, 39.7071,
100.4458

■ 32.5435, 36.1599,
99.8721

■ 37.4317, 43.7619,
101.0818

■ 32.3526, 35.8252,
99.8175

■ 41.0351, 48.3992,
101.7870

■ 45.5611, 53.6750,
102.5667

■ 51.0947, 59.6356,
103.4256

■ 57.7106, 66.3220,
104.3675

■ 65.4759, 73.7714,
105.3961

■ 74.4520, 82.0178,
106.5147

■ 84.6956, 91.0930,
107.7265

■ 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.



28.5140, 39.7071, 83.6082



34.6490, 39.7071, 100.4458



42.5222, 39.7071, 98.5556

Triad

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



34.6490, 39.7071, 100.4458



53.9417, 39.7071, 31.3692



27.6645, 39.7071, 20.2787

Complementary

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



34.6490, 39.7071, 100.4458



46.4036, 31.2512, 4.6871

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.



33.3312, 39.7071, 13.8303



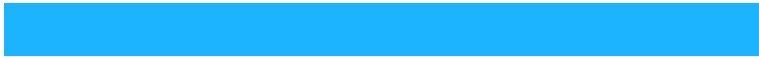
34.6490, 39.7071, 100.4458



48.7690, 39.7071, 18.5423

Square

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



34.6490, 39.7071, 100.4458



54.4235, 39.7071, 52.9956



41.0104, 39.7071, 13.3293



24.8711, 39.7071, 34.7518

Rectangle

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



34.6490, 39.7071, 100.4458



47.7223, 39.7071, 86.9670



41.0104, 39.7071, 13.3293



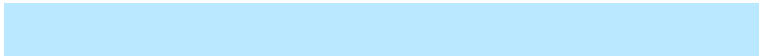
29.2576, 39.7071, 17.3541

Sweetspot

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



34.6503, 39.7083, 100.4460



67.1776, 75.3607, 105.6132



38.7228, 72.7605, 25.0175



13.7651, 15.5554, 22.5269



0.0000, 0.0000, 0.0000



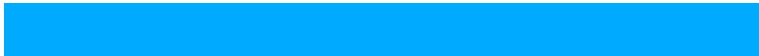
20.3446, 21.4041, 23.3091

Same Dimension

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



34.6503, 39.7083, 100.4460



32.3526, 35.8252, 99.8175



20.4700, 11.3477, 95.7192



18.0125, 19.3965, 23.0445



17.0482, 19.0059, 52.2046



1.7607, 2.0520, 5.1166

Inverse Universe

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



49.7930, 25.3469, 44.9169



48.4593, 24.1477, 39.9463



66.3073, 71.0587, 11.3217



18.5189, 18.1909, 21.3498



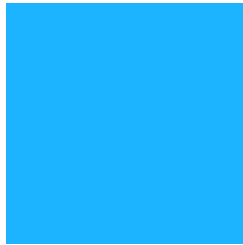
25.3933, 12.6466, 21.2535



2.5233, 1.2517, 2.3372

Previews

White Background



This preview shows how the XYZ color 34.6490, 39.7071, 100.4458 looks on a white background.

Color Contrast Check

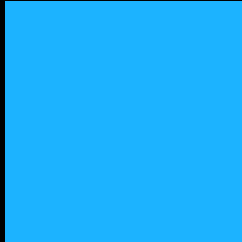
Large Text (above 18pt) WCAG AA × Fail

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 34.6490, 39.7071, 100.4458 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

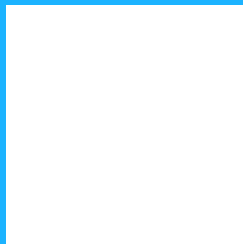
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 34.6490, 39.7071, 100.4458

Background



This preview shows how black text looks on a background with the XYZ color 34.6490, 39.7071, 100.4458.



This preview shows how white text looks on a background with the XYZ color 34.6490, 39.7071,

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

34.6490, 39.7071, 100.4458

Protanopia

40.7881, 39.1321, 90.1975

Deuteranopia

40.3262, 39.2174, 100.0520



Tritanopia

28.3129, 39.7577, 61.4401

Trichromacy



Original Color

34.6490, 39.7071, 100.4458

Protanomaly

36.5301, 38.2316, 93.4498

Deuteranomaly

36.8294, 38.5195, 100.1016

Tritanomaly

30.3168, 39.5660, 74.4457

Monochromacy



Original Color

34.6490, 39.7071, 100.4458

Achromatopsia

26.1081, 27.4677, 29.9124

Achromatomaly

25.9070, 30.0043, 49.7734

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.6490, 39.7071, 100.4458 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(28, 179, 255)` looks like.

```
.text, #text, p{  
    color:rgb(28, 179, 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(28, 179, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(28, 179, 255) }
```

Border

The CSS property to change the border of an element to XYZ 34.6490, 39.7071, 100.4458 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(28, 179, 255) }
```


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

```
.border{ border-color:rgb(28, 179, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(28, 179, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(28, 179, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(28, 179, 255);  
box-shadow:4px 4px 4px 4px rgb(28, 179,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 34.6490, 39.7071, 100.4458 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(28, 179, 255) }
```

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

```
.background{ background-color: rgb(28, 179,  
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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