

Converting Colors

XYZ(34.8663, 39.6990, 97.2007)

Have a look what the booklet for
XYZ(34.8663, 39.6990, 97.2007)
contains.

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Color

**XYZ(34.8012, 39.5627,
97.0689)**

Conversions

Conversions Part 1

Format	Color
Hex	35B2FB
RGB	53, 178, 251
RGB Percent	21%, 70%, 98%
CMY	0.7921, 0.3020, 0.0157
CMYK	0.79, 0.29, 0.00, 0.02
HSL	202°, 96%, 60%
HSV	202°, 79%, 98%
XYZ	34.8012, 39.5627, 97.0689
YIQ	148.9470, -97.9330, -3.7970

Conversions

Conversions Part 2

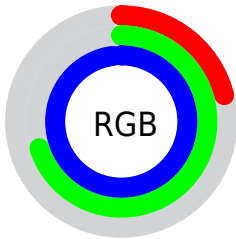
Format	Color
R _Y B	53, 130, 251
Decimal	3519227
CIE Lab	69.16, -9.35, -45.67
CIE LCh	69, 46.614, 258.425
Yxy	39.5627, 0.2030, 0.2308
Android (android.graphics.Color)	4281709307 (0xFF35B2FB)
YUV	148.9470, 50.3121, -84.1455
Hunter-Lab	62.8989, -11.3111, -47.4703

Details

The XYZ color **34.8012, 39.5627, 97.0689** 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 **47.8901, 35.6927, 7.7356**, and the grayscale version is **28.3722, 29.8498, 32.5064**.

A 20% lighter version of the original color is **56.3749, 70.6548, 105.2742**, and **17.1985, 18.8168, 53.7645** is the 20% darker color. If you saturate the color by 10%, you get **32.0304, 35.4928, 96.4302**, and if you desaturate by 10%, it is **38.3891, 44.2394, 97.7833**.

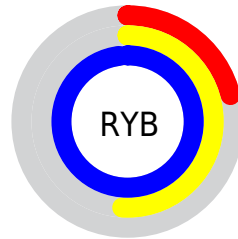
Distribution



Red (21%)

Green (70%)

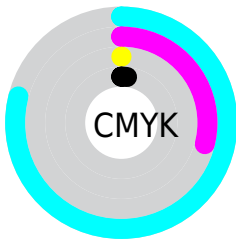
Blue (98%)



Red (21%)

Yellow (51%)

Blue (98%)

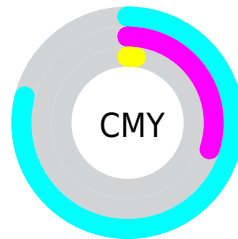


Cyan (79%)

Magenta (29%)

Yellow (0%)

Black (2%)



Cyan (79%)

Magenta (30%)

Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 34.8012, 39.5627, 97.0689 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 34.8012, 39.5627, 97.0689 by changing the saturation by 10% instead.

■ 34.8012, 39.5627,
97.0689

■ 34.8012, 39.5627,
97.0689

315.2134,
344.2770, 571.9200

■ 23.6756, 27.1978,
73.2517

■ 66.5137, 74.4971,
159.1399

■ 15.2166, 17.7218,
53.6888

■ 87.8314, 97.8354,
198.2308

■ 9.0588, 10.7504,
37.9614

■ 113.2770,
125.6003, 243.2500

■ 4.8370, 5.8993,
25.6511

■ 143.2161,
158.1761, 294.6161

■ 2.1857, 2.7839,
16.3394

178.0139,
195.9473, 352.7476

■ 0.7352, 1.0200,
9.6077

218.0358,

■ 0.0000, 0.0000,

239.2982, 418.0631

5.0375

263.6472,
288.6133, 490.9810

■ 0.0000, 0.0000,
2.2101

■ 0.0000, 0.0000,
0.6802

■ 34.8012, 39.5627,
97.0689

■ 34.8012, 39.5627,
97.0689

■ 32.0304, 35.4928,
96.4302

■ 38.3891, 44.2394,
97.7833

■ 29.9310, 31.9493,
95.8569

■ 42.8868, 49.5726,
98.5757

■ 29.7171, 31.5738,
95.7957

■ 48.3778, 55.6091,
99.4514

■ 54.9345, 62.3897,
100.4146

■ 62.6219, 69.9511,
101.4690

■ 71.4995, 78.3273,
102.6178

■ 81.6225, 87.5496,
103.8644

■ 93.0425, 97.6477,
105.2116

■ 94.4127, 99.7451,
105.5442

Harmonies

Analogous

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



28.8750, 39.5627, 81.6368



34.8012, 39.5627, 97.0689



42.3152, 39.5627, 94.9045

Triad

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



34.8012, 39.5627, 97.0689



52.8982, 39.5627, 31.3672



27.8720, 39.5627, 21.1836

Complementary

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



34.8012, 39.5627, 97.0689



47.8901, 35.6927, 7.7356

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.



33.2546, 39.5627, 14.6990



34.8012, 39.5627, 97.0689



47.9336, 39.5627, 19.0967

Square

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



34.8012, 39.5627, 97.0689



53.4563, 39.5627, 51.8452



40.5516, 39.5627, 14.0882



25.2421, 39.5627, 35.3578

Rectangle

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



34.8012, 39.5627, 97.0689



47.2278, 39.5627, 83.8775



40.5516, 39.5627, 14.0882



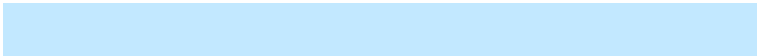
29.3839, 39.5627, 18.2660

Sweetspot

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



34.8027, 39.5640, 97.0699



69.2260, 76.6212, 105.7485



39.7075, 71.2487, 31.2672



14.1334, 15.7501, 22.5451



0.0000, 0.0000, 0.0000



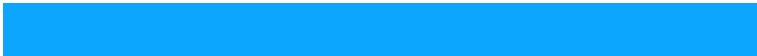
20.3446, 21.4041, 23.3091

Same Dimension

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



34.8027, 39.5640, 97.0699



31.7903, 34.4596, 99.5836



21.7080, 13.3746, 92.7050



17.1964, 18.4696, 22.0439



15.7643, 16.8842, 50.4017



1.5613, 1.7662, 4.7018

Inverse Universe

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



49.0940, 26.2717, 44.6039



48.2343, 24.2829, 38.0671



67.2451, 74.4028, 14.1873



17.7057, 17.4096, 20.3058



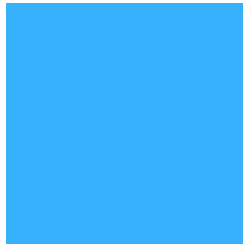
24.2491, 12.1154, 18.5522



2.2970, 1.1425, 1.9873

Previews

White Background



This preview shows how the XYZ color 34.8012, 39.5627, 97.0689 looks on a white background.

Color Contrast Check

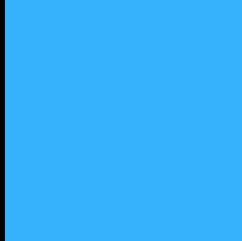
Large Text (above 18pt) WCAG AA × Fail

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 34.8012, 39.5627, 97.0689 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

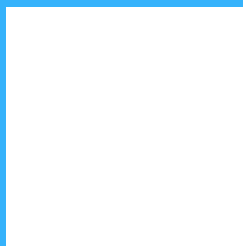
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 34.8012, 39.5627, 97.0689

Background



This preview shows how black text looks on a background with the XYZ color 34.8012, 39.5627, 97.0689.

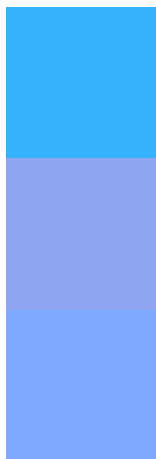


This preview shows how white text looks on a background with the XYZ color 34.8012, 39.5627,

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

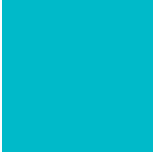
34.8012, 39.5627, 97.0689

Protanopia

40.5110, 39.0412, 87.8386

Deuteranopia

40.4605, 39.3052, 99.2201



Tritanopia

28.1015, 39.3349, 61.3696

Trichromacy



Original Color

34.8012, 39.5627, 97.0689

Protanomaly

37.1343, 38.5961, 91.0806

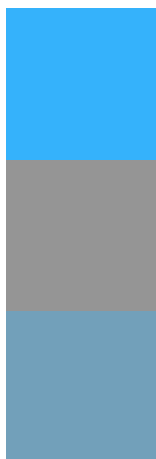
Deuteranomaly

37.5481, 38.9270, 98.4632

Tritanomaly

29.9882, 39.1199, 72.9882

Monochromacy



Original Color

34.8012, 39.5627, 97.0689

Achromatopsia

28.5667, 30.0544, 32.7292

Achromatomaly

28.3732, 32.2642, 51.1866

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.8012, 39.5627, 97.0689 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(53, 178, 251)` looks like.

```
.text, #text, p{  
    color:rgb(53, 178, 251)  
}
```

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(53, 178, 251) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(53, 178, 251) }
```

Border

The CSS property to change the border of an element to XYZ 34.8012, 39.5627, 97.0689 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(53, 178, 251) }
```


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

```
.border{ border-color:rgb(53, 178, 251) }
```

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

Here you see how a box with a 4 pixel rgb(53, 178, 251) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(53, 178, 251); -webkit-box-  
shadow:4px 4px 4px 4px rgb(53, 178, 251);  
box-shadow:4px 4px 4px 4px rgb(53, 178,  
251) }
```

Background

The CSS property to change the background color of an element to XYZ 34.8012, 39.5627, 97.0689 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(53, 178, 251) }
```

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

```
.background{ background-color: rgb(53, 178,  
251) }
```

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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