

Converting Colors

XYZ(34.9955, 39.6706, 91.6666)

Have a look what the booklet for
XYZ(34.9955, 39.6706, 91.6666)
contains.

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Color

**XYZ(34.9972, 39.7889,
91.4234)**

Conversions

Conversions Part 1

Format	Color
Hex	49B2F4
RGB	73, 178, 244
RGB Percent	29%, 70%, 96%
CMY	0.7137, 0.3020, 0.0431
CMYK	0.70, 0.27, 0.00, 0.04
HSL	203°, 89%, 62%
HSV	203°, 70%, 96%
XYZ	34.9972, 39.7889, 91.4234
YIQ	154.1290, -83.7660, -1.7340

Conversions

Conversions Part 2

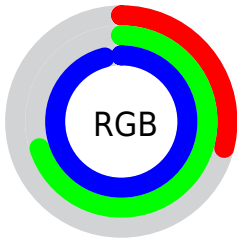
Format	Color
R _{YB}	73, 138, 244
Decimal	4829940
CIE Lab	69.32, -9.38, -41.58
CIE LCh	69, 42.625, 257.286
Yxy	39.7889, 0.2106, 0.2394
Android (android.graphics.Color)	4283020020 (0xFF49B2F4)
YUV	154.1290, 44.3064, -71.1501
Hunter-Lab	63.0784, -11.3519, -41.7777

Details

The XYZ color **34.9972, 39.7889, 91.4234** 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 **47.7457, 38.1827, 11.1589**, and the grayscale version is **30.6117, 32.2059, 35.0722**.

A 20% lighter version of the original color is **58.2880, 71.6411, 105.3637**, and **16.4305, 18.5096, 49.7204** is the 20% darker color. If you saturate the color by 10%, you get **31.6880, 35.3965, 90.7508**, and if you desaturate by 10%, it is **39.1626, 44.8149, 92.1748**.

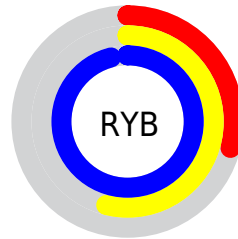
Distribution



Red (29%)

Green (70%)

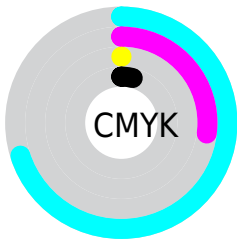
Blue (96%)



Red (29%)

Yellow (54%)

Blue (96%)

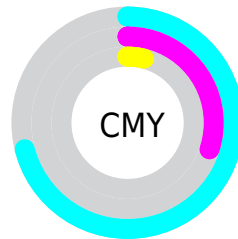


Cyan (70%)

Magenta (27%)

Yellow (0%)

Black (4%)



Cyan (71%)

Magenta (30%)

Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 34.9972, 39.7889, 91.4234 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 34.9972, 39.7889, 91.4234 by changing the saturation by 10% instead.

■ 34.9972, 39.7889,
91.4234

■ 34.9972, 39.7889,
91.4234

316.0642,
345.2330, 553.3394

■ 23.8272, 27.3740,
68.5815

■ 66.8155, 74.8420,
151.2667

■ 15.3295, 17.8543,
49.9013

■ 88.1945, 98.2489,
189.1052

■ 9.1388, 10.8454,
34.9643

■ 113.7072,
126.0886, 232.7796

■ 4.8897, 5.9630,
23.3521

■ 143.7190,
158.7455, 282.7085

■ 2.2168, 2.8226,
14.6460

178.5953,
196.6040, 339.3104

■ 0.7516, 1.0398,
8.4274

218.7013,

■ 0.0000, 0.0000,

240.0485, 403.0038

4.2780

264.4025,
289.4634, 474.2073

■ 0.0000, 0.0000,
1.7790

■ 0.0000, 0.0000,
0.4141

■ 34.9972, 39.7889,
91.4234

■ 34.9972, 39.7889,
91.4234

■ 31.6880, 35.3965,
90.7508

■ 39.1626, 44.8149,
92.1748

■ 29.1377, 31.5820,
90.1489

■ 44.2582, 50.5146,
93.0064

■ 27.2071, 28.2873,
89.6148

■ 50.3541, 56.9282,
93.9230

■ 57.5119, 64.0910,
94.9283

65.7882, 72.0357,
96.0256

75.2351, 80.7923,
97.2179

85.9015, 90.3894,
98.5081

92.8039, 98.2610,
99.6637

93.3293, 99.3117,
99.8388

Harmonies

Analogous

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



29.5809, 39.7889, 77.3040



34.9972, 39.7889, 91.4234



41.8617, 39.7889, 90.1501

Triad

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



34.9972, 39.7889, 91.4234



51.8152, 39.7889, 33.0687



28.9556, 39.7889, 22.4689

Complementary

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



34.9972, 39.7889, 91.4234



47.7457, 38.1827, 11.1589

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.



34.0438, 39.7889, 16.3952



34.9972, 39.7889, 91.4234



47.4581, 39.7889, 21.1254

Square

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



34.9972, 39.7889, 91.4234



52.1508, 39.7889, 52.1518



40.7868, 39.7889, 15.9917



26.3862, 39.7889, 35.5521

Rectangle

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



34.9972, 39.7889, 91.4234



46.3568, 39.7889, 80.7260



40.7868, 39.7889, 15.9917



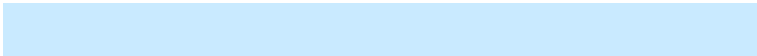
30.3982, 39.7889, 19.7366

Sweetspot

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



34.9986, 39.7903, 91.4244



71.7756, 78.7341, 106.0220



39.7274, 67.9700, 35.2826



14.8012, 16.3183, 22.6196



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.



34.9986, 39.7903, 91.4244



33.7705, 37.3153, 100.0304



22.9887, 15.7704, 87.4211



16.4283, 17.6209, 21.0779



14.9300, 15.6538, 48.7726



1.4116, 1.5746, 4.3198

Inverse Universe

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



47.7280, 27.2143, 44.8579



49.5035, 25.8230, 41.5676



65.1812, 73.0538, 16.9707



16.9268, 16.6536, 19.3610



23.3405, 11.6796, 17.0333



2.1016, 1.0466, 1.7613

Previews

White Background



This preview shows how the XYZ color 34.9972, 39.7889, 91.4234 looks on a white background.

Color Contrast Check

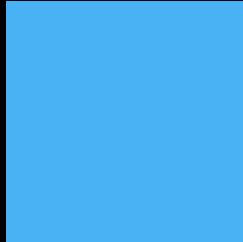
Large Text (above 18pt) WCAG AA × Fail

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 34.9972, 39.7889, 91.4234 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

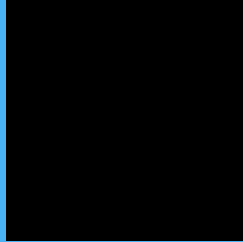
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

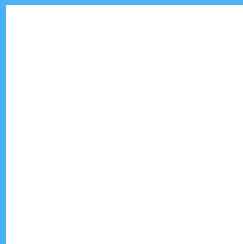
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 34.9972, 39.7889, 91.4234

Background



This preview shows how black text looks on a background with the XYZ color 34.9972, 39.7889, 91.4234.

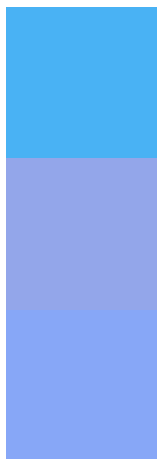


This preview shows how white text looks on a background with the XYZ color 34.9972, 39.7889,

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

34.9972, 39.7889, 91.4234

Protanopia

40.5201, 39.4160, 83.3143

Deuteranopia

40.5989, 39.5037, 93.4809



Tritanopia

29.0160, 39.8063, 61.4124

Trichromacy



Original Color

34.9972, 39.7889, 91.4234

Protanomaly

37.5531, 38.9156, 86.4211

Deuteranomaly

37.8796, 39.2244, 92.7634

Tritanomaly

30.9261, 39.6336, 71.6657

Monochromacy



Original Color

34.9972, 39.7889, 91.4234

Achromatopsia

30.7148, 32.3143, 35.1903

Achromatomaly

30.5243, 34.1422, 51.9950

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.9972, 39.7889, 91.4234 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(73, 178, 244)` looks like.

```
.text, #text, p{  
    color:rgb(73, 178, 244)  
}
```

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(73, 178, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(73, 178, 244) }
```

Border

The CSS property to change the border of an element to XYZ 34.9972, 39.7889, 91.4234 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(73, 178, 244) }
```


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

```
.border{ border-color:rgb(73, 178, 244) }
```

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

Here you see how a box with a 4 pixel `rgb(73, 178, 244)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(73, 178, 244); -webkit-box-  
shadow:4px 4px 4px 4px rgb(73, 178, 244);  
box-shadow:4px 4px 4px 4px rgb(73, 178,  
244) }
```

Background

The CSS property to change the background color of an element to XYZ 34.9972, 39.7889, 91.4234 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(73, 178, 244) }
```

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

```
.background{ background-color: rgb(73, 178,  
244) }
```

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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