

Converting Colors

XYZ(33.6531, 37.4967, 94.8204)

Have a look what the booklet for
XYZ(33.6531, 37.4967, 94.8204)
contains.

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Color

**XYZ(33.7298, 37.5966,
95.1016)**

Conversions

Conversions Part 1

Format	Color
Hex	39ADF9
RGB	57, 173, 249
RGB Percent	22%, 68%, 98%
CMY	0.7764, 0.3216, 0.0235
CMYK	0.77, 0.31, 0.00, 0.02
HSL	204°, 94%, 60%
HSV	204°, 77%, 98%
XYZ	33.7298, 37.5966, 95.1016
YIQ	146.9800, -93.5320, -0.9560

Conversions

Conversions Part 2

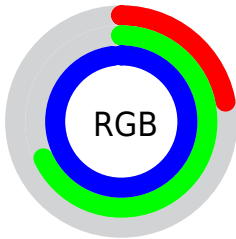
Format	Color
R _{YB}	57, 129, 249
Decimal	3780089
CIE Lab	67.72, -6.88, -46.83
CIE LCh	68, 47.332, 261.644
Yxy	37.5966, 0.2027, 0.2259
Android (android.graphics.Color)	4281970169 (0xFF39ADF9)
YUV	146.9800, 50.2959, -78.9125
Hunter-Lab	61.3161, -9.1108, -49.0379

Details

The XYZ color **33.7298, 37.5966, 95.1016** 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 **48.1956, 37.2144, 8.5158**, and the grayscale version is **27.5537, 28.9887, 31.5686**.

A 20% lighter version of the original color is **54.9993, 67.4526, 104.7286**, and **16.3518, 17.4805, 52.3814** is the 20% darker color. If you saturate the color by 10%, you get **30.8213, 33.3945, 94.4446**, and if you desaturate by 10%, it is **37.4758, 42.4385, 95.8395**.

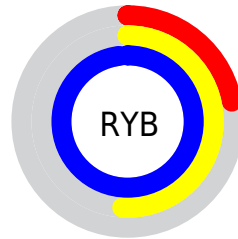
Distribution



Red (22%)

Green (68%)

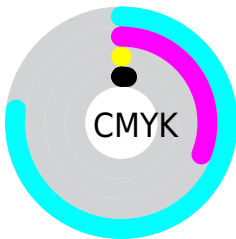
Blue (98%)



Red (22%)

Yellow (51%)

Blue (98%)

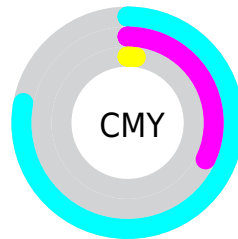


Cyan (77%)

Magenta (31%)

Yellow (0%)

Black (2%)



Cyan (78%)

Magenta (32%)

Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.7298, 37.5966, 95.1016 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 33.7298, 37.5966, 95.1016 by changing the saturation by 10% instead.

■ 33.7298, 37.5966,
95.1016

■ 33.7298, 37.5966,
95.1016

310.5327,
335.8863, 565.4828

■ 22.8480, 25.6697,
71.6222

■ 64.8604, 71.4894,
156.4017

■ 14.6014, 16.5767,
52.3652

■ 85.8398, 94.2242,
195.0596

■ 8.6246, 9.9332,
36.9120

■ 110.9159,
121.3303, 239.6139

■ 4.5523, 5.3547,
24.8441

■ 140.4539,
153.1923, 290.4834

■ 2.0191, 2.4568,
15.7430

174.8193,
190.1945, 348.0864

■ 0.6446, 0.8549,
9.1901

214.3773,

■ 0.0000, 0.0000,

232.7213, 412.8417

4.7669

259.4933,
281.1571, 485.1676

■ 0.0000, 0.0000,
2.0548

■ 0.0000, 0.0000,
0.5887

■ 33.7298, 37.5966,
95.1016

■ 33.7298, 37.5966,
95.1016

■ 30.8213, 33.3945,
94.4446

■ 37.4758, 42.4385,
95.8395

■ 28.6278, 29.7631,
93.8593

■ 42.1475, 47.9684,
96.6607

■ 28.0745, 28.7905,
93.7007

■ 47.8255, 54.2326,
97.5705

■ 54.5798, 61.2711,
98.5731

■ 62.4737, 69.1207,
99.6722

■ 71.5652, 77.8150,
100.8712

■ 81.9083, 87.3855,
102.1733

■ 93.1046, 97.6307,
103.5607

■ 94.0990, 99.6196,
103.8922

Harmonies

Analogous

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



27.6999, 37.5966, 81.3301



33.7298, 37.5966, 95.1016



41.1756, 37.5966, 90.9335

Triad

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



33.7298, 37.5966, 95.1016



50.4620, 37.5966, 27.8073



25.8035, 37.5966, 20.6872

Complementary

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



33.7298, 37.5966, 95.1016



48.1956, 37.2144, 8.5158

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.



30.7951, 37.5966, 13.7553



33.7298, 37.5966, 95.1016



45.1893, 37.5966, 16.7820

Square

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



33.7298, 37.5966, 95.1016



51.5295, 37.5966, 47.0716



37.8170, 37.5966, 12.6222



23.5500, 37.5966, 35.3588

Rectangle

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



33.7298, 37.5966, 95.1016



45.9160, 37.5966, 79.0052



37.8170, 37.5966, 12.6222



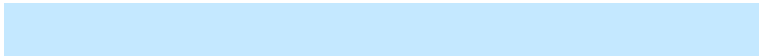
27.1816, 37.5966, 17.6151

Sweetspot

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



33.7312, 37.5979, 95.1026



69.7017, 76.5939, 105.7182



39.6345, 70.2504, 32.8051



14.2034, 15.7029, 22.5323



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.



33.7312, 37.5979, 95.1026



31.0629, 32.8797, 99.3170



21.6132, 13.3617, 91.0632



17.1555, 18.3879, 22.0303



15.1703, 15.6961, 50.2037



1.5084, 1.6606, 4.6842

Inverse Universe

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



48.0742, 26.0849, 42.0373



47.8977, 24.2653, 35.9341



67.1667, 75.1565, 14.8395



17.6850, 17.4014, 20.1972



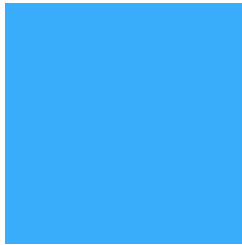
23.9493, 11.9954, 16.9732



2.2703, 1.1319, 1.8469

Previews

White Background



This preview shows how the XYZ color 33.7298, 37.5966, 95.1016 looks on a white background.

Color Contrast Check

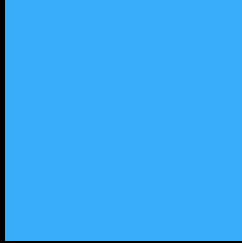
Large Text (above 18pt) WCAG AA × Fail

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 33.7298, 37.5966, 95.1016 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

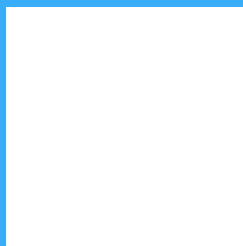
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 33.7298, 37.5966, 95.1016

Background



This preview shows how black text looks on a background with the XYZ color 33.7298, 37.5966, 95.1016.



This preview shows how white text looks on a background with the XYZ color 33.7298, 37.5966,

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

33.7298, 37.5966, 95.1016

Protanopia

38.8061, 37.1250, 86.7819

Deuteranopia

38.2555, 37.1525, 96.4217



Tritanopia

26.6918, 37.4414, 58.0447

Trichromacy



Original Color

33.7298, 37.5966, 95.1016

Protanomaly

35.9395, 36.6325, 89.9706

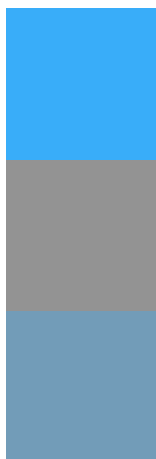
Deuteranomaly

36.0038, 37.0809, 95.7022

Tritanomaly

28.6951, 37.3059, 69.9784

Monochromacy



Original Color

33.7298, 37.5966, 95.1016

Achromatopsia

27.7328, 29.1771, 31.7738

Achromatomaly

27.4796, 30.8150, 49.8470

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.7298, 37.5966, 95.1016 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(57, 173, 249)` looks like.

```
.text, #text, p{  
    color:rgb(57, 173, 249)  
}
```

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(57, 173, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(57, 173, 249) }
```

Border

The CSS property to change the border of an element to XYZ 33.7298, 37.5966, 95.1016 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(57, 173, 249) }
```


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

```
.border{ border-color:rgb(57, 173, 249) }
```

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

Here you see how a box with a 4 pixel rgb(57, 173, 249) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(57, 173, 249); -webkit-box-  
shadow:4px 4px 4px 4px rgb(57, 173, 249);  
box-shadow:4px 4px 4px 4px rgb(57, 173,  
249) }
```

Background

The CSS property to change the background color of an element to XYZ 33.7298, 37.5966, 95.1016 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(57, 173, 249) }
```

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

```
.background{ background-color: rgb(57, 173,  
249) }
```

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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