

Converting Colors

XYZ(33.6222, 36.6433, 96.9089)

Have a look what the booklet for
XYZ(33.6222, 36.6433, 96.9089)
contains.

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Color

**XYZ(33.5909, 36.6443,
96.5694)**

Conversions

Conversions Part 1

Format	Color
Hex	3BAAF8
RGB	59, 170, 251
RGB Percent	23%, 67%, 98%
CMY	0.7686, 0.3333, 0.0157
CMYK	0.76, 0.32, 0.00, 0.02
HSL	205°, 96%, 61%
HSV	205°, 76%, 98%
XYZ	33.5909, 36.6443, 96.5694
YIQ	146.0450, -92.1570, 1.6590

Conversions

Conversions Part 2

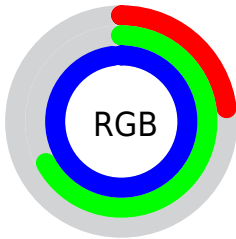
Format	Color
R_{YB}	59, 129, 251
Decimal	3910395
CIE _{Lab}	67.01, -4.29, -49.04
CIE _{LCh}	67, 49.225, 264.998
Y _{xy}	36.6443, 0.2014, 0.2197
Android (android.graphics.Color)	4282100475 (0xFF3BAAF _B)
YUV	146.0450, 51.7428, -76.3385
Hunter-Lab	60.5345, -6.8849, -52.2098

Details

The XYZ color **33.5909, 36.6443, 96.5694** is a light color, and the websafe version is hex **0099FF**. The color can be described as light washed azure. A complement of this color would be **49.9538, 39.5854, 9.1475**, and the grayscale version is **27.1640, 28.5786, 31.1221**.

A 20% lighter version of the original color is **54.3353, 65.8957, 104.4631**, and **16.2160, 16.8519, 53.4370** is the 20% darker color. If you saturate the color by 10%, you get **30.5387, 32.2420, 95.8813**, and if you desaturate by 10%, it is **37.5201, 41.7371, 97.3461**.

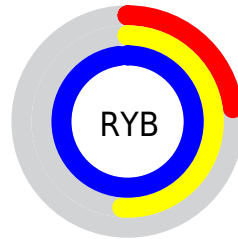
Distribution



Red (23%)

Green (67%)

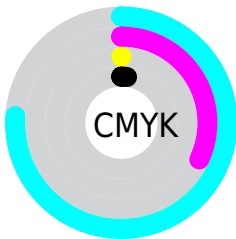
Blue (98%)



Red (23%)

Yellow (51%)

Blue (98%)

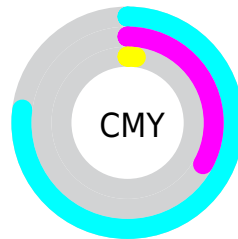


Cyan (76%)

Magenta (32%)

Yellow (0%)

Black (2%)



Cyan (77%)

Magenta (33%)

Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.5909, 36.6443, 96.5694 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 33.5909, 36.6443, 96.5694 by changing the saturation by 10% instead.

■ 33.5909, 36.6443,
96.5694

■ 33.5909, 36.6443,
96.5694

309.9221,
331.7680, 570.2893

■ 22.7409, 24.9322,
72.8378

■ 64.6455, 70.0254,
158.4452

■ 14.5219, 16.0266,
53.3523

■ 85.5808, 92.4632,
197.4265

■ 8.5687, 9.5429,
37.6945

■ 110.6086,
119.2449, 242.3280

■ 4.5158, 5.0970,
25.4456

■ 140.0942,
150.7551, 293.5684

■ 1.9979, 2.3043,
16.1873

174.4030,
187.3782, 351.5662

■ 0.6328, 0.7760,
9.5010

213.9004,

■ 0.0000, 0.0000,

229.4984, 416.7400

4.9682

258.9516,
277.5002, 489.5081

■ 0.0000, 0.0000,
2.1702

■ 0.0000, 0.0000,
0.6571

■ 33.5909, 36.6443,
96.5694

■ 33.5909, 36.6443,
96.5694

■ 30.5387, 32.2420,
95.8813

■ 37.5201, 41.7371,
97.3461

■ 28.2424, 28.4607,
95.2725

■ 42.4162, 47.5707,
98.2140

■ 27.5540, 27.2477,
95.0746

■ 48.3613, 54.1930,
99.1789

■ 55.4269, 61.6460,
100.2451

■ 63.6779, 69.9680,
101.4165

■ 73.1736, 79.1944,
102.6969

■ 83.9694, 89.3583,
104.0898

■ 94.3233, 99.5663,
105.5144

■ 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.



27.2172, 36.6443, 84.0159



33.5909, 36.6443, 96.5694



41.2641, 36.6443, 90.0522

Triad

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



33.5909, 36.6443, 96.5694



49.5499, 36.6443, 24.9079



24.3313, 36.6443, 20.6370

Complementary

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



33.5909, 36.6443, 96.5694



49.9538, 39.5854, 9.1475

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.



29.1009, 36.6443, 13.0093



33.5909, 36.6443, 96.5694



43.7428, 36.6443, 14.7849

Square

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



33.5909, 36.6443, 96.5694



51.2021, 36.6443, 43.5977



36.0978, 36.6443, 11.3341



22.3819, 36.6443, 36.4164

Rectangle

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



33.5909, 36.6443, 96.5694



46.0146, 36.6443, 76.6662



36.0978, 36.6443, 11.3341



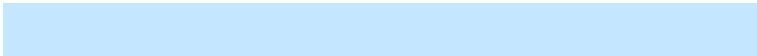
25.6216, 36.6443, 17.2936

Sweetspot

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



33.5923, 36.6455, 96.5703



69.2741, 75.7388, 105.5756



40.9628, 71.7895, 36.1272



14.0998, 15.4957, 22.4978



0.0000, 0.0000, 0.0000



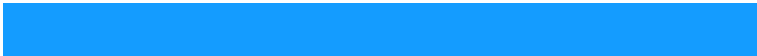
20.3446, 21.4041, 23.3091

Same Dimension

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



33.5923, 36.6455, 96.5703



30.2389, 31.1574, 99.0280



21.7342, 12.9293, 92.6176



17.1165, 18.3098, 22.0173



14.6308, 14.6171, 50.0238



1.4600, 1.5636, 4.6680

Inverse Universe

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



48.6046, 26.5411, 40.5924



47.4999, 24.1756, 33.6253



70.2827, 80.2431, 15.9238



17.6653, 17.3935, 20.0933



23.6770, 11.8865, 15.5392



2.2458, 1.1221, 1.7180

Previews

White Background



This preview shows how the XYZ color 33.5909, 36.6443, 96.5694 looks on a white background.

Color Contrast Check

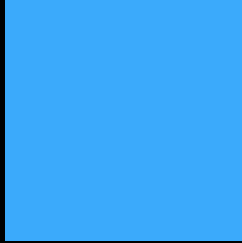
Large Text (above 18pt) WCAG AA × Fail

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 33.5909, 36.6443, 96.5694 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

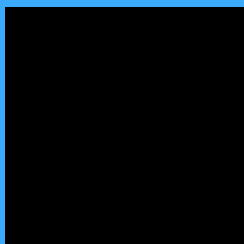
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

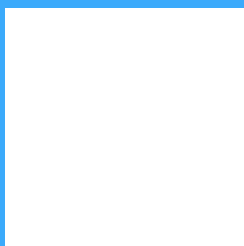
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 33.5909, 36.6443, 96.5694

Background



This preview shows how black text looks on a background with the XYZ color 33.5909, 36.6443, 96.5694.



This preview shows how white text looks on a background with the XYZ color 33.5909, 36.6443,

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

33.5909, 36.6443, 96.5694

Protanopia

38.2567, 36.2754, 88.9899

Deuteranopia

37.5894, 36.5099, 97.9945



Tritanopia

26.0589, 36.5376, 56.7179

Trichromacy



Original Color

33.5909, 36.6443, 96.5694

Protanomaly

35.6420, 35.9128, 91.4395

Deuteranomaly

35.6419, 36.3182, 97.2270

Tritanomaly

28.1003, 36.1164, 69.7801

Monochromacy



Original Color

33.5909, 36.6443, 96.5694

Achromatopsia

27.3213, 28.7441, 31.3023

Achromatomaly

27.3125, 30.4808, 49.7913

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.5909, 36.6443, 96.5694 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(59, 170, 251)` looks like.

```
.text, #text, p{  
    color:rgb(59, 170, 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(59, 170, 251) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(59, 170, 251) }
```

Border

The CSS property to change the border of an element to XYZ 33.5909, 36.6443, 96.5694 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(59, 170, 251) }
```


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

```
.border{ border-color:rgb(59, 170, 251) }
```

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

Here you see how a box with a 4 pixel `rgb(59, 170, 251)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(59, 170, 251); -webkit-box-  
shadow:4px 4px 4px 4px rgb(59, 170, 251);  
box-shadow:4px 4px 4px 4px rgb(59, 170,  
251) }
```

Background

The CSS property to change the background color of an element to XYZ 33.5909, 36.6443, 96.5694 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(59, 170, 251) }
```

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

```
.background{ background-color: rgb(59, 170,  
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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