

Converting Colors

XYZ(32.2689, 34.9759, 93.6912)

Have a look what the booklet for
XYZ(32.2689, 34.9759, 93.6912)
contains.

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Color

**XYZ(32.2668, 34.9196,
93.8465)**

Conversions

Conversions Part 1

Format	Color
Hex	39A6F8
RGB	57, 166, 248
RGB Percent	22%, 65%, 97%
CMY	0.7764, 0.3490, 0.0274
CMYK	0.77, 0.33, 0.00, 0.03
HSL	206°, 93%, 60%
HSV	206°, 77%, 97%
XYZ	32.2668, 34.9196, 93.8465
YIQ	142.7570, -91.2860, 2.3940

Conversions

Conversions Part 2

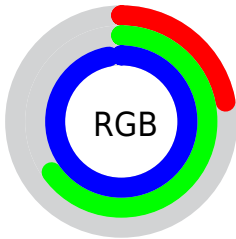
Format	Color
R _Y B	57, 126, 248
Decimal	3778296
CIE Lab	65.69, -3.30, -49.50
CIE LCh	66, 49.605, 266.191
Yxy	34.9196, 0.2004, 0.2168
Android (android.graphics.Color)	4281968376 (0xFF39A6F8)
YUV	142.7570, 51.8848, -75.2089
Hunter-Lab	59.0928, -5.9450, -52.7947

Details

The XYZ color **32.2668, 34.9196, 93.8465** 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 **48.6852, 38.7214, 8.7808**, and the grayscale version is **25.8397, 27.1854, 29.6049**.

A 20% lighter version of the original color is **53.1124, 63.6787, 104.0996**, and **15.5347, 16.0231, 51.5642** is the 20% darker color. If you saturate the color by 10%, you get **29.3261, 30.6486, 93.1778**, and if you desaturate by 10%, it is **36.0600, 39.8689, 94.6026**.

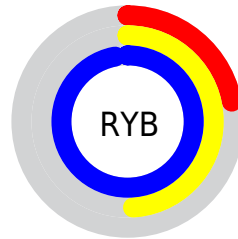
Distribution



Red (22%)

Green (65%)

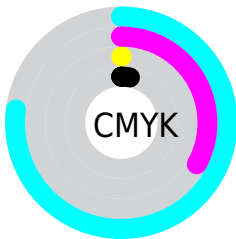
Blue (97%)



Red (22%)

Yellow (49%)

Blue (97%)

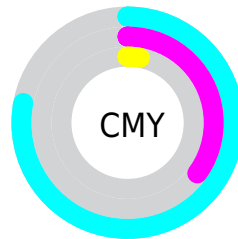


Cyan (77%)

Magenta (33%)

Yellow (0%)

Black (3%)



Cyan (78%)

Magenta (35%)

Yellow (3%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 32.2668, 34.9196, 93.8465 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 32.2668, 34.9196, 93.8465 by changing the saturation by 10% instead.

■ 32.2668, 34.9196,
93.8465

■ 32.2668, 34.9196,
93.8465

304.0566,
324.2133, 561.3553

■ 21.7219, 23.6009,
70.5837

■ 62.5915, 67.3612,
154.6519

■ 13.7682, 15.0379,
51.5228

■ 83.1020, 89.2529,
193.0315

■ 8.0402, 8.8460,
36.2452

■ 107.6651,
115.4378, 237.2872

■ 4.1727, 4.6408,
24.3325

■ 136.6461,
146.3002, 287.8375

■ 1.8003, 2.0381,
15.3659

170.4104,
182.2246, 345.1009

■ 0.5179, 0.6295,
8.9272

209.3233,

■ 0.0000, 0.0000,

223.5953, 409.4960

4.5975

253.7503,
270.7968, 481.4413

■ 0.0000, 0.0000,
1.9585

■ 0.0000, 0.0000,
0.5296

■ 32.2668, 34.9196,
93.8465

■ 32.2668, 34.9196,
93.8465

■ 29.3261, 30.6486,
93.1778

■ 36.0600, 39.8689,
94.6026

■ 27.1168, 26.9863,
92.5874

■ 40.7941, 45.5463,
95.4490

■ 26.5456, 25.9817,
92.4236

■ 46.5494, 51.9990,
96.3911

■ 53.3961, 59.2682,
97.4334

■ 61.3974, 67.3917,
98.5796

■ 70.6115, 76.4044,
99.8336

■ 81.0926, 86.3388,
101.1988

■ 92.7382, 97.1469,
102.6711

■ 93.9434, 99.5574,
103.0729

Harmonies

Analogous

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



25.9803, 34.9196, 82.1254



32.2668, 34.9196, 93.8465



39.7745, 34.9196, 86.6663

Triad

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



32.2668, 34.9196, 93.8465



47.4363, 34.9196, 22.9033



22.8454, 34.9196, 19.7617

Complementary

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



32.2668, 34.9196, 93.8465



48.6852, 38.7214, 8.7808

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.



27.3756, 34.9196, 12.1645



32.2668, 34.9196, 93.8465



41.6236, 34.9196, 13.4562

Square

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



32.2668, 34.9196, 93.8465



49.2470, 34.9196, 40.7534



34.1307, 34.9196, 10.3725



21.0684, 34.9196, 35.4145

Rectangle

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



32.2668, 34.9196, 93.8465



44.3775, 34.9196, 73.1656



34.1307, 34.9196, 10.3725



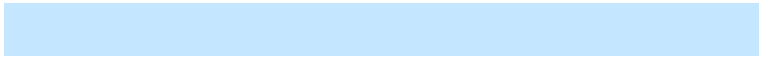
24.0610, 34.9196, 16.4398

Sweetspot

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



32.2681, 34.9207, 93.8474



69.1525, 75.4956, 105.5351



39.7420, 69.8001, 34.8920



14.0703, 15.4368, 22.4880



0.0000, 0.0000, 0.0000



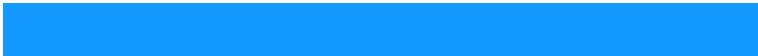
20.3446, 21.4041, 23.3091

Same Dimension

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



32.2681, 34.9207, 93.8474



29.9478, 30.5752, 98.9309



21.0095, 12.4035, 90.0945



17.1053, 18.2875, 22.0136



14.4819, 14.3194, 49.9742



1.4465, 1.5367, 4.6635

Inverse Universe

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



47.0587, 25.6376, 38.5455



47.3530, 24.1168, 32.8516



68.3313, 78.0135, 15.3295



17.6597, 17.3912, 20.0637



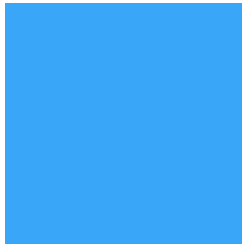
23.6018, 11.8565, 15.1435



2.2391, 1.1194, 1.6822

Previews

White Background



This preview shows how the XYZ color 32.2668, 34.9196, 93.8465 looks on a white background.

Color Contrast Check

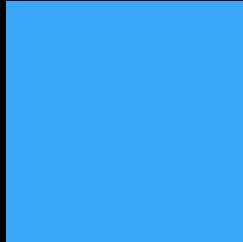
Large Text (above 18pt) WCAG AA × Fail

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 32.2668, 34.9196, 93.8465 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

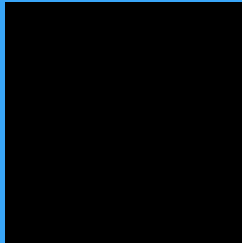
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

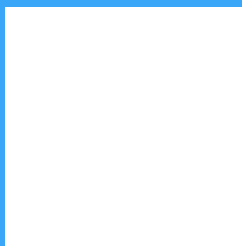
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 32.2668, 34.9196, 93.8465

Background



This preview shows how black text looks on a background with the XYZ color 32.2668, 34.9196, 93.8465.



This preview shows how white text looks on a background with the XYZ color 32.2668, 34.9196,

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

32.2668, 34.9196, 93.8465

Protanopia

36.5217, 34.6761, 86.4296

Deuteranopia

35.6665, 34.5440, 95.2303



Tritanopia

24.8196, 34.7684, 54.1180

Trichromacy



Original Color

32.2668, 34.9196, 93.8465

Protanomaly

34.1913, 34.4360, 88.8491

Deuteranomaly

33.9636, 34.4531, 94.4826

Tritanomaly

26.8197, 34.3676, 66.8481

Monochromacy



Original Color

32.2668, 34.9196, 93.8465

Achromatopsia

26.1081, 27.4677, 29.9124

Achromatomaly

26.0892, 28.9142, 47.9220

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.2668, 34.9196, 93.8465 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, 166, 248)` looks like.

```
.text, #text, p{  
    color:rgb(57, 166, 248)  
}
```

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, 166, 248) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(57, 166, 248) }
```

Border

The CSS property to change the border of an element to XYZ 32.2668, 34.9196, 93.8465 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, 166, 248) }
```


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

```
.border{ border-color:rgb(57, 166, 248) }
```

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

Here you see how a box with a 4 pixel `rgb(57, 166, 248)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(57, 166, 248); -webkit-box-  
shadow:4px 4px 4px 4px rgb(57, 166, 248);  
box-shadow:4px 4px 4px 4px rgb(57, 166,  
248) }
```

Background

The CSS property to change the background color of an element to XYZ 32.2668, 34.9196, 93.8465 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(57, 166, 248) }
```

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

```
.background{ background-color: rgb(57, 166,  
248) }
```

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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