

# Converting Colors

XYZ(30.5455, 33.3832, 93.6655)

Have a look what the booklet for  
XYZ(30.5455, 33.3832, 93.6655)  
contains.

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# Color

**XYZ(30.6196, 33.5349,  
93.6660)**

# Conversions

## Conversions Part 1

Format	Color
Hex	19A4F8
RGB	25, 164, 248
RGB Percent	10%, 64%, 97%
CMY	0.9018, 0.3569, 0.0274
CMYK	0.90, 0.34, 0.00, 0.03
HSL	203°, 94%, 54%
HSV	203°, 90%, 97%
XYZ	30.6196, 33.5349, 93.6660
YIQ	132.0150, -109.8080, -3.3440

# Conversions

## Conversions Part 2

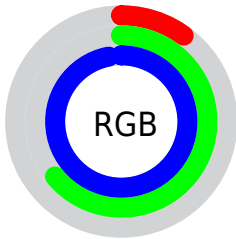
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	25, 111, 248
Decimal	1680632
CIE Lab	64.59, -4.62, -51.26
CIE LCh	65, 51.468, 264.852
Yxy	33.5349, 0.1940, 0.2125
Android (android.graphics.Color)	4279870712 (0xFF19A4F8)
YUV	132.0150, 57.1806, -93.8522
Hunter-Lab	57.9093, -6.9593, -55.3627

# Details

The XYZ color **30.6196, 33.5349, 93.6660** is a dark color, and the websafe version is hex **0099FF**. The color can be described as middle washed azure. A complement of this color would be **44.3598, 30.9714, 4.5617**, and the grayscale version is **21.7704, 22.9042, 24.9427**.

A 20% lighter version of the original color is **50.4517, 61.5279, 103.8247**, and **15.3091, 15.5718, 51.4890** is the 20% darker color. If you saturate the color by 10%, you get **28.6109, 30.1081, 93.1112**, and if you desaturate by 10%, it is **33.2604, 37.4708, 94.2872**.

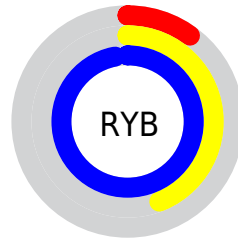
# Distribution



Red (10%)

Green (64%)

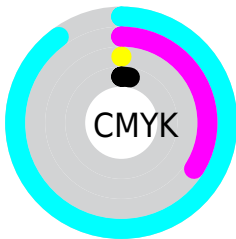
Blue (97%)



Red (10%)

Yellow (44%)

Blue (97%)

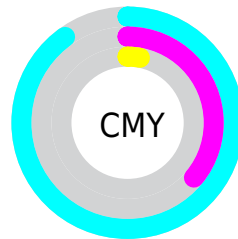


Cyan (90%)

Magenta (34%)

Yellow (0%)

Black (3%)



Cyan (90%)

Magenta (36%)

Yellow (3%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 30.6196, 33.5349, 93.6660 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 30.6196, 33.5349, 93.6660 by changing the saturation by 10% instead.



■ 30.6196, 33.5349,  
93.6660

■ 30.6196, 33.5349,  
93.6660

296.6402,  
318.0532, 560.7603

■ 20.4598, 22.5365,  
70.4344

■ 60.0206, 65.2097,  
154.4000

■ 12.8399, 14.2517,  
51.4018

■ 79.9925, 86.6550,  
192.7396

■ 7.3946, 8.2959,  
36.1495

■ 103.9657,  
112.3514, 236.9522

■ 3.7586, 4.2849,  
24.2591

■ 132.3057,  
142.6832, 287.4564

■ 1.5665, 1.8342,  
15.3120

■ 165.3778,  
178.0349, 344.6708

■ 0.3704, 0.5083,  
8.8896

203.5474,

■ 0.0000, 0.0000,

218.7909, 409.0139

4.5734

247.1797,  
265.3355, 480.9042

■ 0.0000, 0.0000,  
1.9449

■ 0.0000, 0.0000,  
0.5211

■ 30.6196, 33.5349,  
93.6660

■ 30.6196, 33.5349,  
93.6660

■ 28.6109, 30.1081,  
93.1112

■ 33.2604, 37.4708,  
94.2872

■ 28.5934, 30.0773,  
93.1061

■ 36.6857, 41.9968,  
94.9803

■ 40.9930, 47.1673,  
95.7513

■ 46.2634, 53.0277,  
96.6047

■ 52.5681, 59.6181,  
97.5445

■ 59.9711, 66.9749,  
98.5743

■ 68.5307, 75.1315,  
99.6975

■ 78.3012, 84.1189,  
100.9173

■ 89.3329, 93.9664,  
102.2366

# Harmonies

## Analogous

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



24.3938, 33.5349, 80.7531



30.6196, 33.5349, 93.6660



38.2067, 33.5349, 87.0916

# Triad

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



30.6196, 33.5349, 93.6660



46.5351, 33.5349, 21.9780



21.6363, 33.5349, 17.7824

# Complementary

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



30.6196, 33.5349, 93.6660



44.3598, 30.9714, 4.5617

# 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.



26.2827, 33.5349, 10.6847



30.6196, 33.5349, 93.6660



40.7454, 33.5349, 12.3709

# Square

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



30.6196, 33.5349, 93.6660



48.1688, 33.5349, 40.2766



33.1620, 33.5349, 9.1776



19.7433, 33.5349, 32.9930



# Rectangle

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



30.6196, 33.5349, 93.6660



42.9465, 33.5349, 73.4926



33.1620, 33.5349, 9.1776



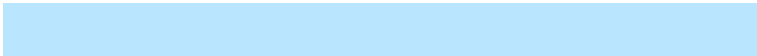
22.8896, 33.5349, 14.6415

# Sweetspot

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



30.6209, 33.5360, 93.6669



66.3726, 73.7507, 105.3449



36.6122, 68.3996, 25.1244



13.5744, 15.1741, 22.4634



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

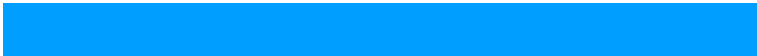


# Same Dimension

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



30.6209, 33.5360, 93.6669



30.4366, 31.9931, 99.1789



18.7001, 9.6944, 89.6933



17.1843, 18.4455, 22.0399



15.5854, 16.5264, 50.3420



1.5454, 1.7345, 4.6965



# Inverse Universe

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



45.7611, 23.3337, 37.2147



47.4922, 23.7609, 34.8535



64.0296, 70.3110, 11.1183



17.6996, 17.4072, 20.2737



24.1588, 12.0792, 18.0766

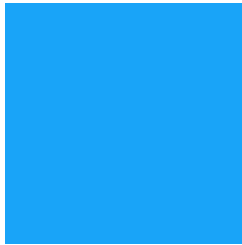


2.2890, 1.1393, 1.9452



# Previews

## White Background



This preview shows how the XYZ color 30.6196, 33.5349, 93.6660 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

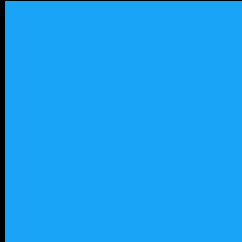
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 30.6196, 33.5349, 93.6660 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

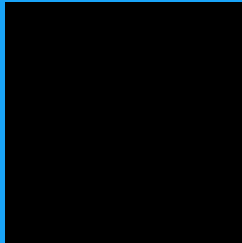
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

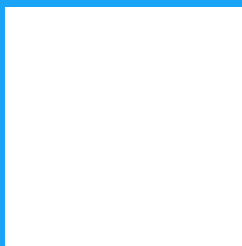
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 30.6196, 33.5349, 93.6660**

## **Background**



This preview shows how black text looks on a background with the XYZ color 30.6196, 33.5349, 93.6660.



This preview shows how white text looks on a background with the XYZ color 30.6196, 33.5349,



# 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

30.6196, 33.5349, 93.6660

### Protanopia

35.2813, 33.3155, 85.4599

### Deuteranopia

34.3993, 33.3884, 95.0740

# Trichromacy



## Original Color

30.6196, 33.5349, 93.6660

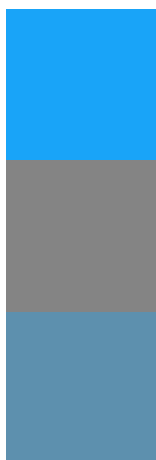
## Protanomaly

32.2038, 32.6486, 88.6089

## Deuteranomaly

32.2447, 33.0523, 94.3028

# Monochromacy



## Original Color

30.6196, 33.5349, 93.6660

## Achromatopsia

21.9318, 23.0740, 25.1276

## Achromatomaly

22.1274, 25.3297, 43.7673

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 30.6196, 33.5349, 93.6660 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(25, 164, 248)` looks like.

```
.text, #text, p{  
    color:rgb(25, 164, 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(25, 164, 248) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(25, 164, 248) }
```

## Border

The CSS property to change the border of an element to XYZ 30.6196, 33.5349, 93.6660 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(25, 164, 248) }
```

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

```
.border{ border-color:rgb(25, 164, 248) }
```

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

Here you see how a box with a 4 pixel `rgb(25, 164, 248)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(25, 164, 248); -webkit-box-  
shadow:4px 4px 4px 4px rgb(25, 164, 248);  
box-shadow:4px 4px 4px 4px rgb(25, 164,  
248) }
```



# Background

The CSS property to change the background color of an element to XYZ 30.6196, 33.5349, 93.6660 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(25, 164, 248) }
```

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

```
.background{ background-color: rgb(25, 164,  
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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