

Converting Colors

XYZ(30.1487, 31.5283, 89.6933)

Have a look what the booklet for
XYZ(30.1487, 31.5283, 89.6933)
contains.

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Color

**XYZ(30.2496, 31.6063,
90.0942)**

Conversions

Conversions Part 1

Format	Color
Hex	3C9DF4
RGB	60, 157, 244
RGB Percent	24%, 62%, 96%
CMY	0.7647, 0.3843, 0.0431
CMYK	0.75, 0.36, 0.00, 0.04
HSL	208°, 89%, 60%
HSV	208°, 75%, 96%
XYZ	30.2496, 31.6063, 90.0942
YIQ	137.9150, -85.7390, 6.4930

Conversions

Conversions Part 2

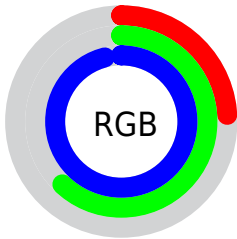
Format	Color
RYB	60, 124, 244
Decimal	3972596
CIELab	63.02, 0.79, -51.53
CIELCh	63, 51.534, 270.875
Yxy	31.6063, 0.1991, 0.2080
Android (android.graphics.Color)	4282162676 (0xFF3C9DF4)
YUV	137.9150, 52.2999, -68.3315
Hunter-Lab	56.2195, -2.3399, -55.6612

Details

The XYZ color **30.2496, 31.6063, 90.0942** 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 **48.5602, 40.4312, 9.5215**, and the grayscale version is **23.9575, 25.2052, 27.4485**.

A 20% lighter version of the original color is **50.7043, 58.6338, 103.2528**, and **14.1237, 13.8959, 48.9515** is the 20% darker color. If you saturate the color by 10%, you get **27.2399, 27.2928, 89.4209**, and if you desaturate by 10%, it is **34.1250, 36.6405, 90.8623**.

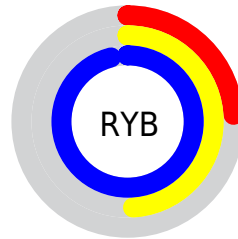
Distribution



Red (24%)

Green (62%)

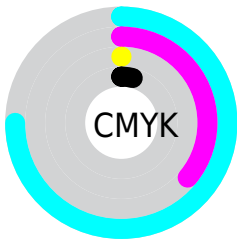
Blue (96%)



Red (24%)

Yellow (49%)

Blue (96%)

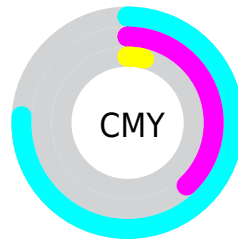


Cyan (75%)

Magenta (36%)

Yellow (0%)

Black (4%)



Cyan (76%)

Magenta (38%)

Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.2496, 31.6063, 90.0942 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 30.2496, 31.6063, 90.0942 by changing the saturation by 10% instead.

■ 30.2496, 31.6063,
90.0942

■ 30.2496, 31.6063,
90.0942

294.9552,
309.3219, 548.9152

■ 20.1771, 21.0610,
67.4846

■ 59.4406, 62.1934,
149.4059

■ 12.6329, 13.1686,
49.0145

■ 79.2899, 83.0039,
186.9451

■ 7.2515, 7.5447,
34.2653

■ 103.1287,
108.0050, 230.2979

■ 3.6676, 3.8050,
22.8185

■ 131.3226,
137.5809, 279.8829

■ 1.5159, 1.5651,
14.2555

164.2368,
172.1162, 336.1186

■ 0.3366, 0.3339,
8.1578

202.2368,

■ 0.0000, 0.0000,

211.9952, 399.4235

4.1069

245.6878,
257.6023, 470.2162

■ 0.0000, 0.0000,
1.6842

■ 0.0000, 0.0000,
0.3498

■ 30.2496, 31.6063,
90.0942

■ 30.2496, 31.6063,
90.0942

■ 27.2399, 27.2928,
89.4209

■ 34.1250, 36.6405,
90.8623

■ 24.9850, 23.6341,
88.8336

■ 38.9499, 42.4448,
91.7284

■ 24.1300, 22.1333,
88.5889

■ 44.8012, 49.0660,
92.6980

■ 51.7460, 56.5457,
93.7757

■ 59.8457, 64.9218,
94.9655

■ 69.1565, 74.2297,
96.2714

■ 79.7308, 84.5025,
97.6969

■ 91.5388, 95.7307,
99.2419

■ 93.3293, 99.3117,
99.8387

Harmonies

Analogous

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



23.8806, 31.6063, 81.0445



30.2496, 31.6063, 90.0942



37.5960, 31.6063, 79.9932

Triad

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



30.2496, 31.6063, 90.0942



43.3305, 31.6063, 18.0115



19.6338, 31.6063, 18.6908

Complementary

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



30.2496, 31.6063, 90.0942



48.5602, 40.4312, 9.5215

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.



23.5724, 31.6063, 10.5996



30.2496, 31.6063, 90.0942



37.1786, 31.6063, 10.3299

Square

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



30.2496, 31.6063, 90.0942



45.8424, 31.6063, 33.8208



29.8330, 31.6063, 8.2723



18.3649, 31.6063, 35.0138

Rectangle

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



30.2496, 31.6063, 90.0942



41.9099, 31.6063, 65.4073



29.8330, 31.6063, 8.2723



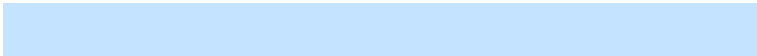
20.6553, 31.6063, 15.1849

Sweetspot

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



30.2508, 31.6073, 90.0950



68.4483, 74.0871, 105.3004



39.3938, 67.7344, 38.1408



13.9001, 15.0963, 22.4312



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.



30.2508, 31.6073, 90.0950



28.8163, 28.1391, 98.5203



20.1504, 11.4064, 86.7282



16.3042, 17.3728, 21.0365



13.2586, 12.3109, 48.2155



1.2682, 1.2878, 4.2720

Inverse Universe

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



45.0110, 24.9008, 34.3330



46.8241, 24.0671, 29.5677



68.6606, 80.6318, 16.2216



16.8641, 16.6285, 19.0311



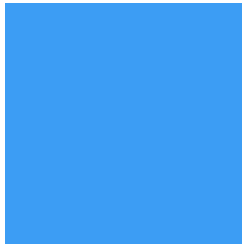
22.4968, 11.3422, 12.5905



2.0292, 1.0176, 1.3801

Previews

White Background



This preview shows how the XYZ color 30.2496, 31.6063, 90.0942 looks on a white background.

Color Contrast Check

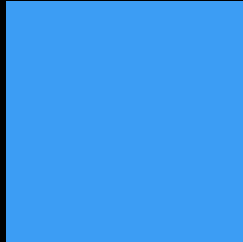
Large Text (above 18pt) WCAG AA × Fail

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 30.2496, 31.6063, 90.0942 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

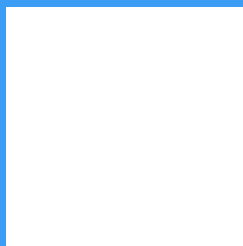
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 30.2496, 31.6063, 90.0942

Background



This preview shows how black text looks on a background with the XYZ color 30.2496, 31.6063, 90.0942.



This preview shows how white text looks on a background with the XYZ color 30.2496, 31.6063,

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

30.2496, 31.6063, 90.0942

Protanopia

33.4955, 31.4730, 83.6664

Deuteranopia

32.4290, 31.4819, 90.7536



Tritanopia

22.3431, 31.3415, 48.5880

Trichromacy



Original Color

30.2496, 31.6063, 90.0942

Protanomaly

31.8452, 31.2851, 86.0216

Deuteranomaly

31.5167, 31.4976, 90.8047

Tritanomaly

24.5054, 31.0811, 61.8344

Monochromacy



Original Color

30.2496, 31.6063, 90.0942

Achromatopsia

24.1572, 25.4152, 27.6772

Achromatomaly

24.4916, 26.7401, 45.4655

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.2496, 31.6063, 90.0942 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(60, 157, 244)` looks like.

```
.text, #text, p{  
    color:rgb(60, 157, 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(60, 157, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(60, 157, 244) }
```

Border

The CSS property to change the border of an element to XYZ 30.2496, 31.6063, 90.0942 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(60, 157, 244) }
```


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

```
.border{ border-color:rgb(60, 157, 244) }
```

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

Here you see how a box with a 4 pixel `rgb(60, 157, 244)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(60, 157, 244); -webkit-box-  
shadow:4px 4px 4px 4px rgb(60, 157, 244);  
box-shadow:4px 4px 4px 4px rgb(60, 157,  
244) }
```

Background

The CSS property to change the background color of an element to XYZ 30.2496, 31.6063, 90.0942 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(60, 157, 244) }
```

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

```
.background{ background-color: rgb(60, 157,  
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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