

Converting Colors

XYZ(30.4118, 32.2312, 88.6228)

Have a look what the booklet for
XYZ(30.4118, 32.2312, 88.6228)
contains.

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Color

**XYZ(30.4118, 32.2312,
88.6228)**

Conversions

Conversions Part 1

Format	Color
Hex	3E9FF2
RGB	62, 159, 242
RGB Percent	24%, 62%, 95%
CMY	0.7568, 0.3765, 0.0510
CMYK	0.74, 0.34, 0.00, 0.05
HSL	208°, 87%, 60%
HSV	208°, 74%, 95%
XYZ	30.4118, 32.2312, 88.6228
YIQ	139.4590, -84.4550, 5.2490

Conversions

Conversions Part 2

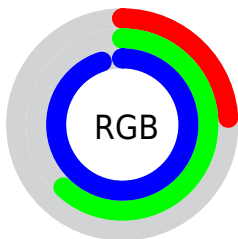
Format	Color
R _{YB}	62, 125, 242
Decimal	4104178
CIE _{Lab}	63.53, -0.83, -49.61
CIE _{LCh}	64, 49.615, 269.037
Yxy	32.2312, 0.2010, 0.2131
Android (android.graphics.Color)	4282294258 (0xFF3E9FF2)
YUV	139.4590, 50.5527, -67.9315
Hunter-Lab	56.7725, -3.7334, -52.8118

Details

The XYZ color **30.4118, 32.2312, 88.6228** 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 **47.6156, 39.4803, 9.6703**, and the grayscale version is **24.5539, 25.8326, 28.1317**.

A 20% lighter version of the original color is **51.2043, 59.6338, 103.4195**, and **14.1195, 14.2279, 47.9010** is the 20% darker color. If you saturate the color by 10%, you get **27.3848, 27.9496, 87.9566**, and if you desaturate by 10%, it is **34.2896, 37.2094, 89.3800**.

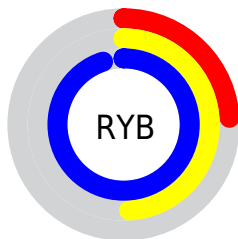
Distribution



Red (24%)

Green (62%)

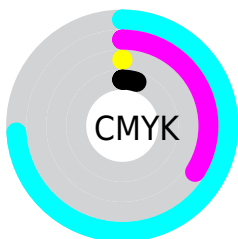
Blue (95%)



Red (24%)

Yellow (49%)

Blue (95%)

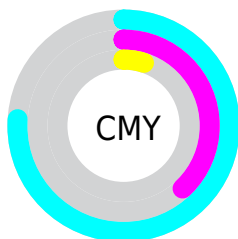


Cyan (74%)

Magenta (34%)

Yellow (0%)

Black (5%)



Cyan (76%)

Magenta (38%)

Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.4118, 32.2312, 88.6228 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 30.4118, 32.2312, 88.6228 by changing the saturation by 10% instead.

■ 30.4118, 32.2312,
88.6228

■ 30.4118, 32.2312,
88.6228

295.6948,
312.1711, 543.9947

■ 20.3010, 21.5382,
66.2717

■ 59.6950, 63.1734,
147.3427

■ 12.7236, 13.5179,
48.0351

■ 79.5981, 84.1913,
184.5485

■ 7.3141, 7.7862,
33.4945

■ 103.4959,
109.4196, 227.5431

■ 3.7074, 3.9584,
22.2313

■ 131.7540,
139.2427, 276.7448

■ 1.5380, 1.6503,
13.8270

164.7375,
174.0450, 332.5723

■ 0.3515, 0.3912,
7.8631

202.8119,

■ 0.0000, 0.0000,

214.2109, 395.4441

3.9210

246.3425,
260.1248, 465.7787

■ 0.0000, 0.0000,
1.5821

■ 0.0000, 0.0000,
0.2780

■ 30.4118, 32.2312,
88.6228

■ 30.4118, 32.2312,
88.6228

■ 27.3848, 27.9496,
87.9566

■ 34.2896, 37.2094,
89.3800

■ 25.1029, 24.3023,
87.3729

■ 39.0984, 42.9309,
90.2309

■ 24.0636, 22.4839,
87.0766

■ 44.9122, 49.4405,
91.1810

■ 51.7959, 56.7777,
92.2344

■ 59.8086, 64.9790,
93.3951

■ 69.0047, 74.0780,
94.6667

■ 79.4350, 84.1064,
96.0526

■ 90.9204, 94.9773,
97.5456

■ 93.0271, 99.1909,
98.2478

Harmonies

Analogous

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



24.2885, 32.2312, 78.9421



30.4118, 32.2312, 88.6228



37.5549, 32.2312, 80.0462

Triad

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



30.4118, 32.2312, 88.6228



43.7976, 32.2312, 19.6618



20.5860, 32.2312, 18.9178

Complementary

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



30.4118, 32.2312, 88.6228



47.6156, 39.4803, 9.6703

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.



24.6217, 32.2312, 11.2139



30.4118, 32.2312, 88.6228



38.0002, 32.2312, 11.5158

Square

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



30.4118, 32.2312, 88.6228



45.9513, 32.2312, 35.7384



30.8589, 32.2312, 9.1237



19.1672, 32.2312, 34.4580

Rectangle

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



30.4118, 32.2312, 88.6228



41.8166, 32.2312, 66.4590



30.8589, 32.2312, 9.1237



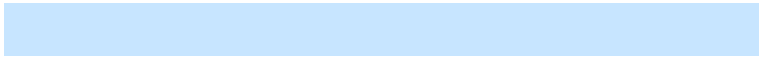
21.6484, 32.2312, 15.5766

Sweetspot

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



30.4130, 32.2323, 88.6236



69.6319, 75.4590, 105.5028



38.6985, 66.5128, 36.7885



14.3332, 15.5790, 22.5016



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.



30.4130, 32.2323, 88.6236



29.4916, 29.3902, 98.7262



20.2688, 11.9437, 85.2422



15.6028, 16.6398, 20.1110



13.0655, 12.3552, 46.8240



1.1864, 1.2267, 3.9285

Inverse Universe

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



44.5998, 24.8275, 35.2431



47.1892, 24.3060, 31.2039



66.6275, 77.5041, 16.0076



16.1290, 15.9013, 18.2354



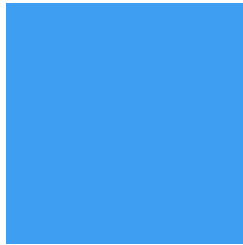
21.9205, 11.0406, 12.7636



1.8738, 0.9386, 1.3261

Previews

White Background



This preview shows how the XYZ color 30.4118, 32.2312, 88.6228 looks on a white background.

Color Contrast Check

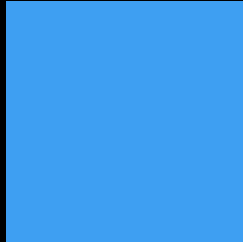
Large Text (above 18pt) WCAG AA × Fail

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 30.4118, 32.2312, 88.6228 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

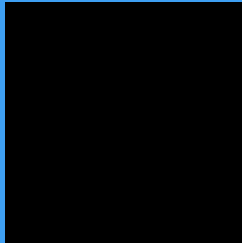
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

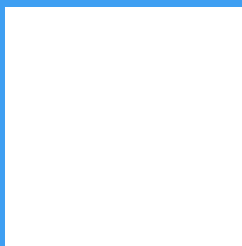
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 30.4118, 32.2312, 88.6228

Background



This preview shows how black text looks on a background with the XYZ color 30.4118, 32.2312, 88.6228.



This preview shows how white text looks on a background with the XYZ color 30.4118, 32.2312,

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

30.4118, 32.2312, 88.6228

Protanopia

33.9260, 31.9642, 82.2235

Deuteranopia

32.9357, 32.0202, 89.2386



Tritanopia

22.9220, 32.1683, 49.8007

Trichromacy



Original Color

30.4118, 32.2312, 88.6228

Protanomaly

32.0441, 31.6636, 84.5435

Deuteranomaly

31.8295, 31.9400, 89.2815

Tritanomaly

24.8887, 31.8142, 61.9557

Monochromacy



Original Color

30.4118, 32.2312, 88.6228

Achromatopsia

24.5403, 25.8183, 28.1161

Achromatomaly

24.6709, 27.0719, 44.9994

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.4118, 32.2312, 88.6228 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(62, 159, 242)` looks like.

```
.text, #text, p{  
    color:rgb(62, 159, 242)  
}
```

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(62, 159, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(62, 159, 242) }
```

Border

The CSS property to change the border of an element to XYZ 30.4118, 32.2312, 88.6228 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(62, 159, 242) }
```


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

```
.border{ border-color:rgb(62, 159, 242) }
```

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

Here you see how a box with a 4 pixel `rgb(62, 159, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(62, 159, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(62, 159, 242);  
box-shadow:4px 4px 4px 4px rgb(62, 159,  
242) }
```

Background

The CSS property to change the background color of an element to XYZ 30.4118, 32.2312, 88.6228 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(62, 159, 242) }
```

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

```
.background{ background-color: rgb(62, 159,  
242) }
```

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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