

Converting Colors

XYZ(30.9513, 32.1568, 88.5820)

Have a look what the booklet for
XYZ(30.9513, 32.1568, 88.5820)
contains.

XYZ(31.0015, 32.2810, 88.6013)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(31.0015, 32.2810,
88.6013)**

Conversions

Conversions Part 1

Format	Color
Hex	499EF2
RGB	73, 158, 242
RGB Percent	29%, 62%, 95%
CMY	0.7137, 0.3804, 0.0510
CMYK	0.70, 0.35, 0.00, 0.05
HSL	210°, 87%, 62%
HSV	210°, 70%, 95%
XYZ	31.0015, 32.2810, 88.6013
YIQ	142.1610, -77.6240, 8.1040

Conversions

Conversions Part 2

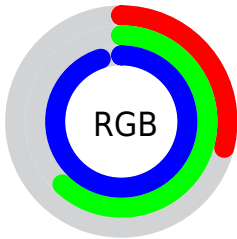
Format	Color
R _Y B	73, 130, 242
Decimal	4824818
CIE Lab	63.57, 1.19, -49.52
CIE LCh	64, 49.537, 271.372
Yxy	32.2810, 0.2041, 0.2125
Android (android.graphics.Color)	4283014898 (0xFF499EF2)
YUV	142.1610, 49.2206, -60.6542
Hunter-Lab	56.8164, -2.0312, -52.6873

Details

The XYZ color **31.0015, 32.2810, 88.6013** is a light color, and the websafe version is hex **3399FF**. The color can be described as light washed azure. A complement of this color would be **49.8798, 43.4757, 12.0678**, and the grayscale version is **25.6098, 26.9435, 29.3415**.

A 20% lighter version of the original color is **52.2409, 59.7959, 103.3961**, and **14.0147, 14.0182, 47.8661** is the 20% darker color. If you saturate the color by 10%, you get **27.5593, 27.6085, 87.8815**, and if you desaturate by 10%, it is **35.3599, 37.7248, 89.4230**.

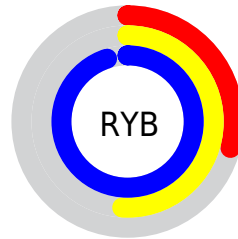
Distribution



Red (29%)

Green (62%)

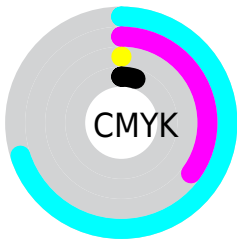
Blue (95%)



Red (29%)

Yellow (51%)

Blue (95%)

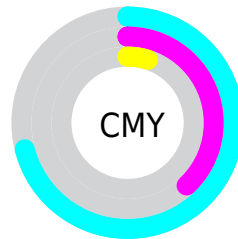


Cyan (70%)

Magenta (35%)

Yellow (0%)

Black (5%)



Cyan (71%)

Magenta (38%)

Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.0015, 32.2810, 88.6013 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 31.0015, 32.2810, 88.6013 by changing the saturation by 10% instead.

■ 31.0015, 32.2810,
88.6013

■ 31.0015, 32.2810,
88.6013

298.3720,
312.3973, 543.9226

■ 20.7518, 21.5762,
66.2540

■ 60.6183, 63.2513,
147.3125

■ 13.0541, 13.5458,
48.0208

■ 80.7161, 84.2857,
184.5135

■ 7.5431, 7.8055,
33.4833

■ 104.8273,
109.5320, 227.5027

■ 3.8533, 3.9707,
22.2228

■ 133.3172,
139.3748, 276.6989

■ 1.6195, 1.6572,
13.8208

166.5513,
174.1983, 332.5204

■ 0.4051, 0.3957,
7.8588

204.8949,

■ 0.0000, 0.0000,

214.3869, 395.3858

3.9183

248.7134,
260.3251, 465.7137

■ 0.0000, 0.0000,
1.5806

■ 0.0000, 0.0000,
0.2769

■ 31.0015, 32.2810,
88.6013

■ 31.0015, 32.2810,
88.6013

■ 27.5593, 27.6085,
87.8815

■ 35.3599, 37.7248,
89.4230

■ 24.9358, 23.6473,
87.2552

■ 40.7102, 43.9859,
90.3496

■ 22.9814, 20.3117,
86.7144

■ 47.1236, 51.1093,
91.3865

■ 22.9512, 20.2591,
86.7058

■ 54.6635, 59.1352,
92.5382

■ 63.3875, 68.1006,
93.8089

■ 73.3494, 78.0403,
95.2024

■ 84.5994, 88.9871,
96.7224

■ 92.7832, 98.7029,
98.1665

■ 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.



24.7434, 32.2810, 80.2759



31.0015, 32.2810, 88.6013



38.1361, 32.2810, 78.7054

Triad

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



31.0015, 32.2810, 88.6013



43.4895, 32.2810, 18.8205



20.4303, 32.2810, 19.8809

Complementary

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



31.0015, 32.2810, 88.6013



49.8798, 43.4757, 12.0678

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.



24.2688, 32.2810, 11.6334



31.0015, 32.2810, 88.6013



37.5023, 32.2810, 11.2027

Square

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



31.0015, 32.2810, 88.6013



45.9832, 32.2810, 34.2449



30.3649, 32.2810, 9.1727



19.2187, 32.2810, 36.0679

Rectangle

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



31.0015, 32.2810, 88.6013



42.2832, 32.2810, 64.6751



30.3649, 32.2810, 9.1727



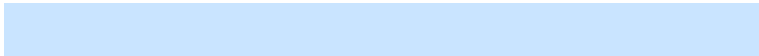
21.4245, 32.2810, 16.3360

Sweetspot

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



31.0027, 32.2821, 88.6021



70.1072, 75.3973, 105.4658



40.3911, 67.2778, 41.7307



14.4042, 15.5245, 22.4873



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.



31.0027, 32.2821, 88.6021



29.6296, 29.0334, 98.6501



21.3481, 12.9728, 85.3839



15.5542, 16.5425, 20.0948



12.4664, 11.1571, 46.6244



1.1366, 1.1272, 3.9119

Inverse Universe

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



45.1732, 26.1125, 35.0079



47.4133, 24.9870, 30.5610



68.7417, 81.1996, 18.3551



16.1044, 15.8915, 18.1061



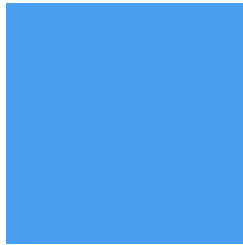
21.6181, 10.9197, 11.1714



1.8487, 0.9285, 1.1939

Previews

White Background



This preview shows how the XYZ color 31.0015, 32.2810, 88.6013 looks on a white background.

Color Contrast Check

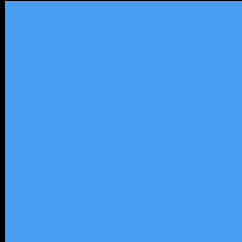
Large Text (above 18pt) WCAG AA × Fail

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 31.0015, 32.2810, 88.6013 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

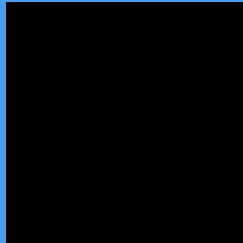
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

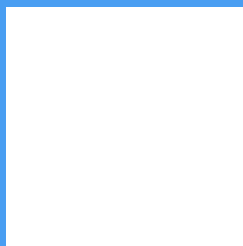
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 31.0015, 32.2810, 88.6013

Background



This preview shows how black text looks on a background with the XYZ color 31.0015, 32.2810, 88.6013.



This preview shows how white text looks on a background with the XYZ color 31.0015, 32.2810,

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

31.0015, 32.2810, 88.6013

Protanopia

33.9278, 31.9484, 82.9757

Deuteranopia

33.0484, 32.0783, 89.2439



Tritanopia

23.3573, 32.3807, 50.3664

Trichromacy



Original Color

31.0015, 32.2810, 88.6013

Protanomaly

32.5328, 31.8986, 85.3313

Deuteranomaly

32.2134, 32.1379, 89.2994

Tritanomaly

25.5701, 32.1516, 62.6158

Monochromacy



Original Color

31.0015, 32.2810, 88.6013

Achromatopsia

25.7108, 27.0498, 29.4572

Achromatomaly

25.9619, 28.1761, 46.1897

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.0015, 32.2810, 88.6013 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(73, 158, 242)` looks like.

```
.text, #text, p{  
    color:rgb(73, 158, 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(73, 158, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(73, 158, 242) }
```

Border

The CSS property to change the border of an element to XYZ 31.0015, 32.2810, 88.6013 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(73, 158, 242) }
```


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

```
.border{ border-color:rgb(73, 158, 242) }
```

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

Here you see how a box with a 4 pixel `rgb(73, 158, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(73, 158, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(73, 158, 242);  
box-shadow:4px 4px 4px 4px rgb(73, 158,  
242) }
```

Background

The CSS property to change the background color of an element to XYZ 31.0015, 32.2810, 88.6013 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(73, 158, 242) }
```

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

```
.background{ background-color: rgb(73, 158,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor