

Converting Colors

XYZ(32.9594, 30.0491,
109.9754)

Have a look what the booklet for
XYZ(32.9594, 30.0491, 109.9754)
contains.

XYZ(30.8676, 29.3164, 98.6395)	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(30.8676, 29.3164,
98.6395)**

Conversions

Conversions Part 1

Format	Color
Hex	4493FF
RGB	68, 147, 255
RGB Percent	27%, 58%, 100%
CMY	0.7333, 0.4235, 0.0000
CMYK	0.73, 0.42, 0.00, 0.00
HSL	215°, 100%, 63%
HSV	215°, 73%, 100%
XYZ	30.8676, 29.3164, 98.6395
YIQ	135.6910, -81.7520, 16.8400

Conversions

Conversions Part 2

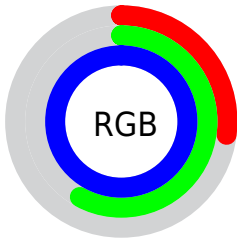
Format	Color
R _{YB}	68, 124, 255
Decimal	4494335
CIE _{Lab}	61.06, 11.53, -60.66
CIE _{LCh}	61, 61.744, 280.761
Y _{xy}	29.3164, 0.1944, 0.1846
Android (android.graphics.Color)	4282684415 (0xFF4493FF)
YUV	135.6910, 58.8193, -59.3650
Hunter-Lab	54.1446, 7.0089, -70.1120

Details

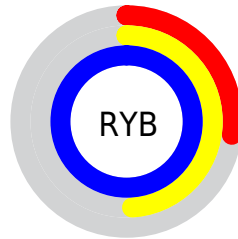
The XYZ color **30.8676, 29.3164, 98.6395** is a light color, and the websafe version is hex **3399FF**. The color can be described as light washed azure. A complement of this color would be **57.8114, 52.7327, 12.6023**, and the grayscale version is **23.0974, 24.3002, 26.4629**.

A 20% lighter version of the original color is **49.1855, 53.9318, 102.4253**, and **14.4677, 12.6266, 55.1007** is the 20% darker color. If you saturate the color by 10%, you get **27.3143, 24.2998, 97.8585**, and if you desaturate by 10%, it is **35.4890, 35.3194, 99.5546**.

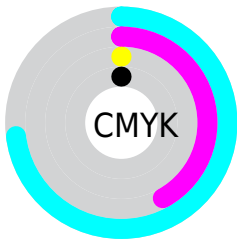
Distribution



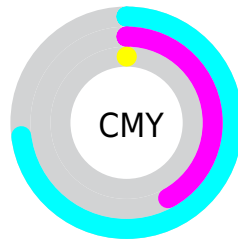
- Red (27%)
- Green (58%)
- Blue (100%)



- Red (27%)
- Yellow (49%)
- Blue (100%)



- Cyan (73%)
- Magenta (42%)
- Yellow (0%)
- Black (0%)



- Cyan (73%)
- Magenta (42%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.8676, 29.3164, 98.6395 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 30.8676, 29.3164, 98.6395 by changing the saturation by 10% instead.

■ 30.8676, 29.3164,
98.6395

■ 30.8676, 29.3164,
98.6395

297.7657,
298.7049, 577.0313

■ 20.6494, 19.3203,
74.5543

■ 60.4088, 58.5794,
161.3218

■ 12.9790, 11.9019,
54.7483

■ 80.4625, 78.6151,
200.7560

■ 7.4910, 6.6769,
38.8030

■ 104.5255,
102.7661, 246.1436

■ 3.8200, 3.2609,
26.2998

■ 132.9630,
131.4169, 297.9031

■ 1.6008, 1.2694,
16.8203

166.1404,
164.9517, 356.4531

■ 0.3930, 0.1173,
9.9459

204.4230,

■ 0.0000, 0.0000,

203.7551, 422.2121

5.2579

248.1764,
248.2113, 495.5986

■ 0.0000, 0.0000,
2.3380

■ 0.0000, 0.0000,
0.7524

■ 30.8676, 29.3164,
98.6395

■ 30.8676, 29.3164,
98.6395

■ 27.3143, 24.2998,
97.8585

■ 35.4890, 35.3194,
99.5546

■ 24.7064, 20.1893,
97.2025

■ 41.2747, 42.3732,
100.6112

■ 23.3830, 17.8859,
96.8277

■ 48.3127, 50.5382,
101.8162

■ 56.6809, 59.8686,
103.1761

■ 66.4504, 70.4145,
104.6968

■ 77.6871, 82.2229,
106.3838

■ 90.4523, 95.3379,
108.2424

■ 95.0500, 100.0000,
108.9000

Harmonies

Analogous

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



23.0513, 29.3164, 95.0709



30.8676, 29.3164, 98.6395



39.2912, 29.3164, 78.8866

Triad

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



30.8676, 29.3164, 98.6395



41.3693, 29.3164, 10.7889



15.6173, 29.3164, 19.3874

Complementary

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



30.8676, 29.3164, 98.6395



57.8114, 52.7327, 12.6023

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.



18.9003, 29.3164, 8.6854



30.8676, 29.3164, 98.6395



33.3047, 29.3164, 5.6427

Square

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



30.8676, 29.3164, 98.6395



46.0879, 29.3164, 24.3114



25.0625, 29.3164, 5.1232



15.2166, 29.3164, 40.9718

Rectangle

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



30.8676, 29.3164, 98.6395



43.7420, 29.3164, 58.9660



25.0625, 29.3164, 5.1232



16.3855, 29.3164, 14.7439

Sweetspot

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



30.8687, 29.3172, 98.6396



67.8571, 71.9093, 104.9112



45.7821, 75.8043, 52.2489



13.9154, 14.7434, 22.3623



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.



30.8687, 29.3172, 98.6396



25.9865, 22.2720, 97.5370



23.4667, 13.0822, 95.8960



17.6337, 18.6390, 22.9182



12.3583, 9.6262, 50.6413



1.3086, 1.1480, 4.9659

Inverse Universe

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



48.5745, 27.5024, 30.3526



45.4464, 23.7099, 21.7150



73.6054, 90.9094, 19.1388



18.3277, 18.1144, 20.3430



23.0261, 11.6997, 8.7879



2.2951, 1.1604, 1.1357

Previews

White Background



This preview shows how the XYZ color 30.8676, 29.3164, 98.6395 looks on a white background.

Color Contrast Check

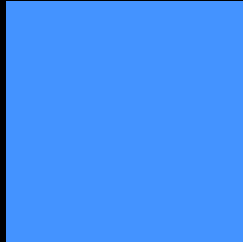
Large Text (above 18pt) WCAG AA ✓ Pass

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 30.8676, 29.3164, 98.6395 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 × Fail

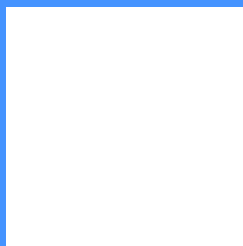
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 30.8676, 29.3164, 98.6395

Background



This preview shows how black text looks on a background with the XYZ color 30.8676, 29.3164, 98.6395.



This preview shows how white text looks on a background with the XYZ color 30.8676, 29.3164,

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

30.8676, 29.3164, 98.6395

Protanopia

32.3806, 29.2626, 95.2084

Deuteranopia

30.3848, 29.2993, 98.6616



Tritanopia

20.8351, 29.2895, 45.1128

Trichromacy



Original Color

30.8676, 29.3164, 98.6395

Protanomaly

31.5684, 29.0495, 96.0387

Deuteranomaly

30.6265, 29.4239, 98.6729

Tritanomaly

23.3570, 28.6802, 61.4315

Monochromacy



Original Color

30.8676, 29.3164, 98.6395

Achromatopsia

23.4014, 24.6201, 26.8113

Achromatomaly

24.0703, 25.3903, 46.2800

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.8676, 29.3164, 98.6395 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(68, 147, 255)` looks like.

```
.text, #text, p{  
    color:rgb(68, 147, 255)  
}
```

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(68, 147, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(68, 147, 255) }
```

Border

The CSS property to change the border of an element to XYZ 30.8676, 29.3164, 98.6395 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(68, 147, 255) }
```


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

```
.border{ border-color:rgb(68, 147, 255) }
```

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

Here you see how a box with a 4 pixel rgb(68, 147, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(68, 147, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(68, 147, 255);  
box-shadow:4px 4px 4px 4px rgb(68, 147,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 30.8676, 29.3164, 98.6395 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(68, 147, 255) }
```

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

```
.background{ background-color: rgb(68, 147,  
255) }
```

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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