

Converting Colors

XYZ(29.3872, 29.6011, 93.8311)

Have a look what the booklet for
XYZ(29.3872, 29.6011, 93.8311)
contains.

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Color

**XYZ(29.3844, 29.6011,
93.7874)**

Conversions

Conversions Part 1

Format	Color
Hex	3097F9
RGB	48, 151, 249
RGB Percent	19%, 59%, 98%
CMY	0.8117, 0.4078, 0.0235
CMYK	0.81, 0.39, 0.00, 0.02
HSL	209°, 94%, 58%
HSV	209°, 81%, 98%
XYZ	29.3844, 29.6011, 93.7874
YIQ	131.3750, -92.8460, 8.6420

Conversions

Conversions Part 2

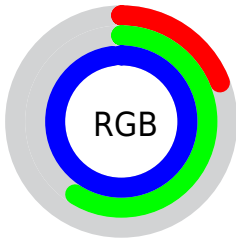
Format	Color
R_{YB}	48, 116, 249
Decimal	3184633
CIE _{Lab}	61.31, 4.86, -57.00
CIE _{LCh}	61, 57.210, 274.875
Yxy	29.6011, 0.1923, 0.1938
Android (android.graphics.Color)	4281374713 (0xFF3097F9)
YUV	131.3750, 57.9891, -73.1199
Hunter-Lab	54.4069, 1.1933, -64.1201

Details

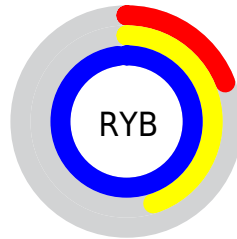
The XYZ color **29.3844, 29.6011, 93.7874** is a light color, and the websafe version is hex **3399FF**. The color can be described as light washed azure. A complement of this color would be **49.8829, 40.9171, 8.0670**, and the grayscale version is **21.5326, 22.6540, 24.6702**.

A 20% lighter version of the original color is **48.3388, 55.2426, 102.7229**, and **14.1681, 13.1131, 51.6535** is the 20% darker color. If you saturate the color by 10%, you get **26.6674, 25.4478, 93.1296**, and if you desaturate by 10%, it is **32.9631, 34.4979, 94.5446**.

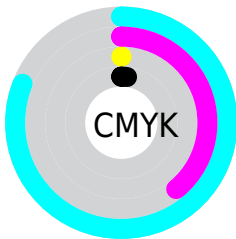
Distribution



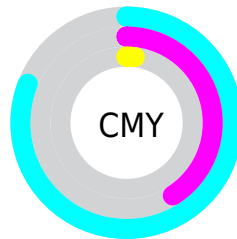
- Red (19%)
- Green (59%)
- Blue (98%)



- Red (19%)
- Yellow (45%)
- Blue (98%)



- Cyan (81%)
- Magenta (39%)
- Yellow (0%)
- Black (2%)



- Cyan (81%)
- Magenta (41%)
- Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.3844, 29.6011, 93.7874 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 29.3844, 29.6011, 93.7874 by changing the saturation by 10% instead.

■ 29.3844, 29.6011,
93.7874

■ 29.3844, 29.6011,
93.7874

290.9860,
300.0406, 561.1605

■ 19.5175, 19.5360,
70.5348

■ 58.0806, 59.0308,
154.5694

■ 12.1511, 12.0582,
51.4832

■ 77.6407, 79.1641,
192.9359

■ 6.9196, 6.7833,
36.2139

■ 101.1625,
103.4224, 237.1775

■ 3.4577, 3.3270,
24.3084

■ 129.0115,
132.1899, 287.7128

■ 1.4002, 1.3047,
15.3483

■ 161.5530,
165.8511, 344.9601

■ 0.2564, 0.1449,
8.9148

199.1523,

■ 0.0000, 0.0000,

204.7904, 409.3382

4.5896

242.1749,
249.3921, 481.2655

■ 0.0000, 0.0000,
1.9541

■ 0.0000, 0.0000,
0.5268

■ 29.3844, 29.6011,
93.7874

■ 29.3844, 29.6011,
93.7874

■ 26.6674, 25.4478,
93.1296

■ 32.9631, 34.4979,
94.5446

■ 24.7644, 22.1703,
92.5973

■ 37.5018, 40.1968,
95.4054

■ 43.0880, 46.7513,
96.3761

■ 49.7971, 54.2082,
97.4619

■ 57.6971, 62.6104,
98.6673

■ 66.8503, 71.9971,
99.9967

■ 77.3141, 82.4055,
101.4542

■ 89.1425, 93.8700,
103.0436

■ 94.0990, 99.6196,
103.8922

Harmonies

Analogous

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



22.4197, 29.6011, 86.2983



29.3844, 29.6011, 93.7874



37.2607, 29.6011, 79.6752

Triad

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



29.3844, 29.6011, 93.7874



41.7767, 29.6011, 13.8480



16.9487, 29.6011, 17.6253

Complementary

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



29.3844, 29.6011, 93.7874



49.8829, 40.9171, 8.0670

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.



20.6360, 29.6011, 8.7646



29.3844, 29.6011, 93.7874



34.7473, 29.6011, 7.3661

Square

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



29.3844, 29.6011, 93.7874



45.1845, 29.6011, 28.8310



26.9214, 29.6011, 6.0426



16.0254, 29.6011, 35.8874

Rectangle

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



29.3844, 29.6011, 93.7874



41.7294, 29.6011, 62.4916



26.9214, 29.6011, 6.0426



17.8691, 29.6011, 13.7635

Sweetspot

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



29.3856, 29.6020, 93.7882



67.2149, 72.5991, 105.0782



40.2190, 70.4300, 38.3275



13.6501, 14.7835, 22.3840



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.



29.3856, 29.6020, 93.7882



26.7250, 24.4278, 97.9142



19.5188, 9.8685, 90.4993



17.0185, 18.1138, 21.9846



13.3988, 12.1531, 49.6131



1.3471, 1.3379, 4.6304

Inverse Universe

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



45.7110, 24.4898, 31.5964



45.6534, 23.1582, 24.7612



72.4509, 86.0529, 15.5897



17.6159, 17.3737, 19.8329



23.0551, 11.6378, 12.2645



2.1889, 1.0993, 1.4181

Previews

White Background



This preview shows how the XYZ color 29.3844, 29.6011, 93.7874 looks on a white background.

Color Contrast Check

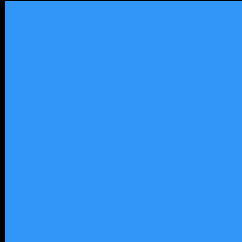
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.3844, 29.6011, 93.7874 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

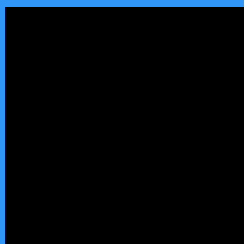
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

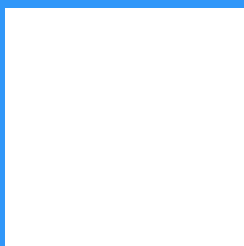
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 29.3844, 29.6011, 93.7874

Background



This preview shows how black text looks on a background with the XYZ color 29.3844, 29.6011, 93.7874.



This preview shows how white text looks on a background with the XYZ color 29.3844, 29.6011,

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

29.3844, 29.6011, 93.7874

Protanopia

32.0637, 29.4831, 88.0053

Deuteranopia

30.5177, 29.4597, 94.5203



Tritanopia

20.8351, 29.2895, 45.1128

Trichromacy



Original Color

29.3844, 29.6011, 93.7874

Protanomaly

30.7529, 29.4384, 90.4475

Deuteranomaly

30.0527, 29.4538, 94.5437

Tritanomaly

23.2900, 29.1797, 60.2819

Monochromacy



Original Color

29.3844, 29.6011, 93.7874

Achromatopsia

21.5731, 22.6966, 24.7166

Achromatomaly

22.0953, 23.9997, 43.5122

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.3844, 29.6011, 93.7874 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(48, 151, 249)` looks like.

```
.text, #text, p{  
    color:rgb(48, 151, 249)  
}
```

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(48, 151, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(48, 151, 249) }
```

Border

The CSS property to change the border of an element to XYZ 29.3844, 29.6011, 93.7874 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(48, 151, 249) }
```


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

```
.border{ border-color:rgb(48, 151, 249) }
```

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

Here you see how a box with a 4 pixel `rgb(48, 151, 249)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(48, 151, 249); -webkit-box-  
shadow:4px 4px 4px 4px rgb(48, 151, 249);  
box-shadow:4px 4px 4px 4px rgb(48, 151,  
249) }
```

Background

The CSS property to change the background color of an element to XYZ 29.3844, 29.6011, 93.7874 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(48, 151, 249) }
```

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

```
.background{ background-color: rgb(48, 151,  
249) }
```

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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