

Converting Colors

XYZ(28.4251, 29.2669, 94.5112)

Have a look what the booklet for
XYZ(28.4251, 29.2669, 94.5112)
contains.

XYZ(28.4836, 29.3586, 94.6080)	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(28.4836, 29.3586,
94.6080)**

Conversions

Conversions Part 1

Format	Color
Hex	0098FA
RGB	0, 152, 250
RGB Percent	0%, 60%, 98%
CMY	0.9997, 0.4039, 0.0196
CMYK	1.00, 0.39, 0.00, 0.02
HSL	204°, 100%, 49%
HSV	204°, 100%, 98%
XYZ	28.4836, 29.3586, 94.6080
YIQ	117.7240, -122.0500, -1.7460

Conversions

Conversions Part 2

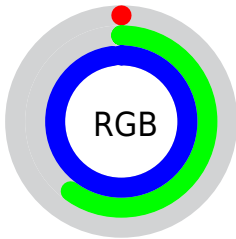
Format	Color
R _{YB}	0, 95, 250
Decimal	39162
CIE Lab	61.10, 2.28, -57.92
CIE LCh	61, 57.967, 272.257
Yxy	29.3586, 0.1868, 0.1926
Android (android.graphics.Color)	4278229242 (0xFF0098FA)
YUV	117.7240, 65.2121, -103.2439
Hunter-Lab	54.1836, -0.9861, -65.5956

Details

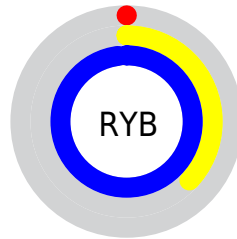
The XYZ color **28.4836, 29.3586, 94.6080** is a dark color, and the websafe version is hex **0099FF**. The color can be described as middle saturated azure. A complement of this color would be **43.8000, 29.0742, 3.3056**, and the grayscale version is **16.9716, 17.8554, 19.4445**.

A 20% lighter version of the original color is **46.6769, 54.7421, 102.7139**, and **14.3770, 13.3530, 52.2717** is the 20% darker color. If you saturate the color by 10%, you get **28.4789, 29.3491, 94.6071**, and if you desaturate by 10%, it is **30.5441, 32.8815, 95.1801**.

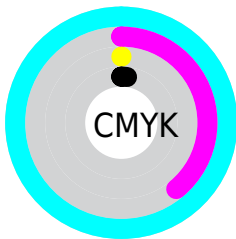
Distribution



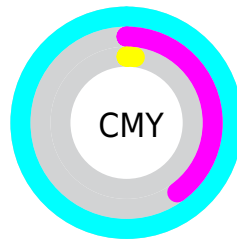
- Red (0%)
- Green (60%)
- Blue (98%)



- Red (0%)
- Yellow (37%)
- Blue (98%)



- Cyan (100%)
- Magenta (39%)
- Yellow (0%)
- Black (2%)



- Cyan (100%)
- Magenta (40%)
- Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.4836, 29.3586, 94.6080 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 28.4836, 29.3586, 94.6080 by changing the saturation by 10% instead.

■ 28.4836, 29.3586,
94.6080

■ 28.4836, 29.3586,
94.6080

286.8089,
298.9032, 563.8615

■ 18.8328, 19.3523,
71.2137

■ 56.6589, 58.6463,
155.7138

■ 11.6528, 11.9251,
52.0337

■ 75.9141, 78.6966,
194.2624

■ 6.5783, 6.6927,
36.6495

■ 99.1015, 102.8635,
238.6995

■ 3.2437, 3.2707,
24.6426

■ 126.5865,
131.5316, 289.4437

■ 1.2839, 1.2746,
15.5944

■ 158.7343,
165.0852, 346.9134

■ 0.1711, 0.1214,
9.0863

195.9105,

■ 0.0000, 0.0000,

203.9087, 411.5273

4.7000

238.4802,
248.3866, 483.7038

■ 0.0000, 0.0000,
2.0167

■ 0.0000, 0.0000,
0.5655

■ 28.4836, 29.3586,
94.6080

■ 28.4836, 29.3586,
94.6080

■ 28.4789, 29.3491,
94.6071

■ 30.5441, 32.8815,
95.1801

■ 33.2525, 36.9380,
95.8203

■ 36.7706, 41.6160,
96.5378

■ 41.1970, 46.9706,
97.3381

■ 46.6148, 53.0489,
98.2257

■ 53.0969, 59.8924,
99.2050

■ 60.7091, 67.5389,
100.2797

■ 69.5112, 76.0230,
101.4534

■ 79.5587, 85.3771,
102.7294

Harmonies

Analogous

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



21.6440, 29.3586, 85.1026



28.4836, 29.3586, 94.6080



36.4462, 29.3586, 81.9775

Triad

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



28.4836, 29.3586, 94.6080



42.1643, 29.3586, 14.4381



16.8732, 29.3586, 16.1836

Complementary

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



28.4836, 29.3586, 94.6080



43.8000, 29.0742, 3.3056

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.



20.8139, 29.3586, 8.0397



28.4836, 29.3586, 94.6080



35.2688, 29.3586, 7.4011

Square

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



28.4836, 29.3586, 94.6080



45.1865, 29.3586, 30.3474



27.3332, 29.3586, 5.7428



15.7088, 29.3586, 33.6422

Rectangle

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



28.4836, 29.3586, 94.6080



41.1176, 29.3586, 65.0065



27.3332, 29.3586, 5.7428



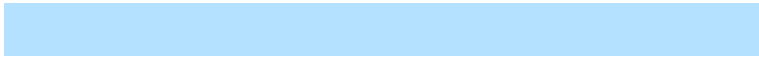
17.8769, 29.3586, 12.5929

Sweetspot

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



28.4848, 29.3595, 94.6088



63.4510, 70.5962, 104.8899



36.2927, 69.2146, 22.4847



12.8307, 14.3660, 22.3466



0.0000, 0.0000, 0.0000



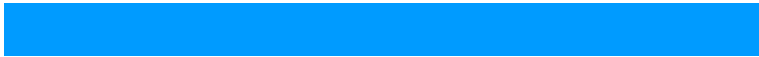
20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



28.4848, 29.3595, 94.6088



29.7729, 30.6658, 98.9576



17.7016, 7.7930, 91.0144



17.1612, 18.3991, 22.0322



15.2501, 15.8558, 50.2303



1.5156, 1.6748, 4.6866

Inverse Universe

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



45.0931, 22.5929, 31.6904



47.1572, 23.6269, 33.0895



65.2401, 71.9544, 10.4523



17.6879, 17.4025, 20.2121



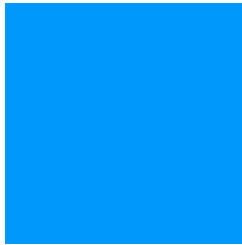
23.9896, 12.0116, 17.1854



2.2739, 1.1333, 1.8659

Previews

White Background



This preview shows how the XYZ color 28.4836, 29.3586, 94.6080 looks on a white background.

Color Contrast Check

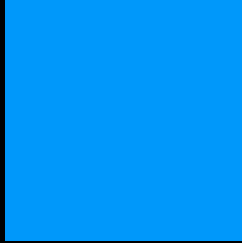
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.4836, 29.3586, 94.6080 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

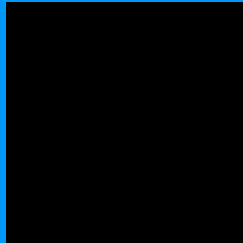
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

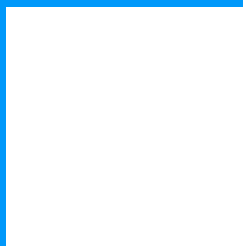
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 28.4836, 29.3586, 94.6080

Background



This preview shows how black text looks on a background with the XYZ color 28.4836, 29.3586, 94.6080.



This preview shows how white text looks on a background with the XYZ color 28.4836, 29.3586,

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

28.4836, 29.3586, 94.6080

Protanopia

31.7933, 29.1199, 87.9494

Deuteranopia

30.3864, 29.3738, 95.3350



Tritanopia

20.7372, 29.2504, 44.5973

Trichromacy



Original Color

28.4836, 29.3586, 94.6080

Protanomaly

29.0751, 28.3436, 90.3246

Deuteranomaly

29.1563, 28.9735, 95.3225

Tritanomaly

23.0588, 29.0605, 60.2710

Monochromacy



Original Color

28.4836, 29.3586, 94.6080

Achromatopsia

17.2197, 18.1164, 19.7288

Achromatomaly

17.7672, 20.2143, 39.0417

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.4836, 29.3586, 94.6080 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(0, 152, 250)` looks like.

```
.text, #text, p{  
    color:rgb(0, 152, 250)  
}
```

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(0, 152, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 152, 250) }
```

Border

The CSS property to change the border of an element to XYZ 28.4836, 29.3586, 94.6080 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(0, 152, 250) }
```


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

```
.border{ border-color:rgb(0, 152, 250) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 152, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(0, 152, 250); -webkit-box-shadow:4px 4px 4px 4px rgb(0, 152, 250); box-shadow:4px 4px 4px 4px rgb(0, 152, 250) }
```

Background

The CSS property to change the background color of an element to XYZ 28.4836, 29.3586, 94.6080 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 152, 250) }
```

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

```
.background{ background-color: rgb(0, 152,  
250) }
```

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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