

Converting Colors

XYZ(28.9786, 27.9005, 93.8939)

Have a look what the booklet for
XYZ(28.9786, 27.9005, 93.8939)
contains.

XYZ(29.1256, 28.0525, 94.3221)	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(29.1256, 28.0525,
94.3221)**

Conversions

Conversions Part 1

Format	Color
Hex	3A91FA
RGB	58, 145, 250
RGB Percent	23%, 57%, 98%
CMY	0.7725, 0.4314, 0.0196
CMYK	0.77, 0.42, 0.00, 0.02
HSL	213°, 95%, 60%
HSV	213°, 77%, 98%
XYZ	29.1256, 28.0525, 94.3221
YIQ	130.9570, -85.5570, 14.2110

Conversions

Conversions Part 2

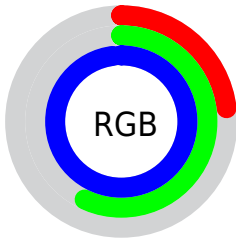
Format	Color
R _Y B	58, 118, 250
Decimal	3838458
CIE Lab	59.94, 9.78, -59.73
CIE LCh	60, 60.526, 279.300
Yxy	28.0525, 0.1922, 0.1852
Android (android.graphics.Color)	4282028538 (0xFF3A91FA)
YUV	130.9570, 58.6882, -63.9833
Hunter-Lab	52.9646, 5.4703, -68.5115

Details

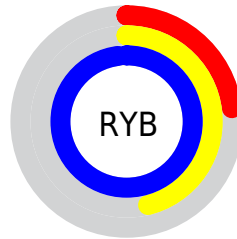
The XYZ color **29.1256, 28.0525, 94.3221** is a light color, and the websafe version is hex **3399FF**. The color can be described as light washed azure. A complement of this color would be **53.2883, 46.8289, 10.2351**, and the grayscale version is **21.3791, 22.4925, 24.4943**.

A 20% lighter version of the original color is **47.4500, 52.3540, 102.2122**, and **13.7178, 12.0347, 52.0520** is the 20% darker color. If you saturate the color by 10%, you get **26.0436, 23.5467, 93.6155**, and if you desaturate by 10%, it is **33.1661, 33.4262, 95.1470**.

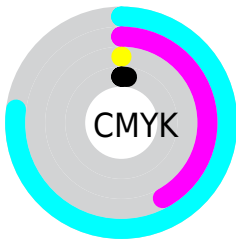
Distribution



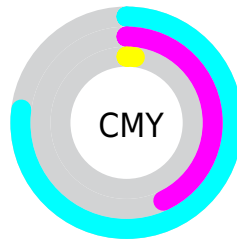
- Red (23%)
- Green (57%)
- Blue (98%)



- Red (23%)
- Yellow (46%)
- Blue (98%)



- Cyan (77%)
- Magenta (42%)
- Yellow (0%)
- Black (2%)



- Cyan (77%)
- Magenta (43%)
- Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.1256, 28.0525, 94.3221 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 29.1256, 28.0525, 94.3221 by changing the saturation by 10% instead.

■ 29.1256, 28.0525,
94.3221

■ 29.1256, 28.0525,
94.3221

289.7906,
292.7177, 562.9213

■ 19.3206, 18.3652,
70.9771

■ 57.6728, 56.5683,
155.3152

■ 12.0076, 11.2125,
51.8418

■ 77.1456, 76.1655,
193.8005

■ 6.8211, 6.2100,
36.4976

■ 100.5719, 99.8349,
238.1695

■ 3.3958, 2.9732,
24.5260

■ 128.3168,
127.9609, 288.8410

■ 1.3663, 1.1177,
15.5085

160.7458,
160.9277, 346.2333

■ 0.2321, 0.0000,
9.0265

198.2242,

■ 0.0000, 0.0000,

199.1199, 410.7651

4.6614

241.1173,
242.9217, 482.8549

■ 0.0000, 0.0000,
1.9948

■ 0.0000, 0.0000,
0.5520

■ 29.1256, 28.0525,
94.3221

■ 29.1256, 28.0525,
94.3221

■ 26.0436, 23.5467,
93.6155

■ 33.1661, 33.4262,
95.1470

■ 23.7937, 19.8298,
93.0166

■ 38.2602, 39.7285,
96.0950

■ 23.1911, 18.7734,
92.8445

■ 44.4936, 47.0160,
97.1731

■ 51.9420, 55.3390,
98.3870

■ 60.6736, 64.7437,
99.7421

■ 70.7515, 75.2732,
101.2433

■ 82.2343, 86.9678,
102.8954

■ 94.0591, 99.2896,
104.6505

■ 94.2554, 99.6822,
104.7159

Harmonies

Analogous

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



21.7690, 28.0525, 89.7788



29.1256, 28.0525, 94.3221



37.1719, 28.0525, 76.4514

Triad

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



29.1256, 28.0525, 94.3221



39.8254, 28.0525, 10.8028



15.0819, 28.0525, 17.8842

Complementary

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



29.1256, 28.0525, 94.3221



53.2883, 46.8289, 10.2351

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.



18.3488, 28.0525, 8.0920



29.1256, 28.0525, 94.3221



32.2407, 28.0525, 5.5839

Square

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



29.1256, 28.0525, 94.3221



44.0860, 28.0525, 24.1972



24.3434, 28.0525, 4.9113



14.5677, 28.0525, 37.9145

Rectangle

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



29.1256, 28.0525, 94.3221



41.5111, 28.0525, 57.6780



24.3434, 28.0525, 4.9113



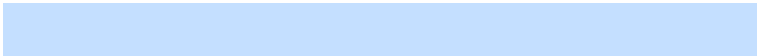
15.8596, 28.0525, 13.6199

Sweetspot

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



29.1268, 28.0534, 94.3228



67.2734, 71.7374, 104.9087



42.3124, 71.8240, 45.0780



13.6171, 14.5303, 22.3369



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.



29.1268, 28.0534, 94.3228



25.8967, 22.4730, 97.5806



20.9106, 11.0336, 91.4707



16.9308, 17.9384, 21.9554



12.4406, 10.2368, 49.2938



1.2566, 1.1568, 4.6002

Inverse Universe

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



46.0493, 25.3960, 29.2635



45.3082, 23.2989, 22.0837



72.1199, 87.8392, 17.1584



17.5716, 17.3560, 19.5997



22.5715, 11.4443, 9.7178



2.1432, 1.0810, 1.1774

Previews

White Background



This preview shows how the XYZ color 29.1256, 28.0525, 94.3221 looks on a white background.

Color Contrast Check

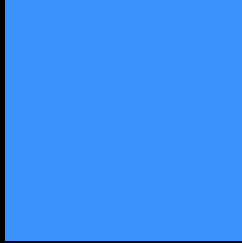
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.1256, 28.0525, 94.3221 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

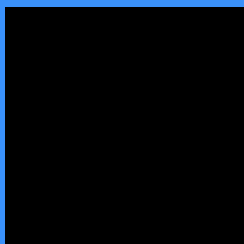
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

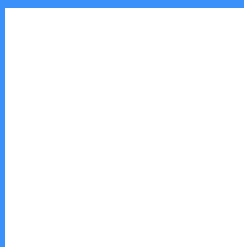
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 29.1256, 28.0525, 94.3221

Background



This preview shows how black text looks on a background with the XYZ color 29.1256, 28.0525, 94.3221.



This preview shows how white text looks on a background with the XYZ color 29.1256, 28.0525,

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

29.1256, 28.0525, 94.3221

Protanopia

30.8965, 27.9454, 90.1518

Deuteranopia

29.0116, 27.9937, 94.3167



Tritanopia

19.7488, 27.7365, 42.8409

Trichromacy



Original Color

29.1256, 28.0525, 94.3221

Protanomaly

30.0288, 27.9004, 91.7983

Deuteranomaly

29.0681, 28.0228, 94.3194

Tritanomaly

22.2902, 27.4408, 58.7654

Monochromacy



Original Color

29.1256, 28.0525, 94.3221

Achromatopsia

21.5731, 22.6966, 24.7166

Achromatomaly

22.1531, 23.6074, 43.4335

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.1256, 28.0525, 94.3221 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(58, 145, 250)` looks like.

```
.text, #text, p{  
    color:rgb(58, 145, 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(58, 145, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(58, 145, 250) }
```

Border

The CSS property to change the border of an element to XYZ 29.1256, 28.0525, 94.3221 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(58, 145, 250) }
```


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

```
.border{ border-color:rgb(58, 145, 250) }
```

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

Here you see how a box with a 4 pixel rgb(58, 145, 250) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(58, 145, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(58, 145, 250);  
box-shadow:4px 4px 4px 4px rgb(58, 145,  
250) }
```

Background

The CSS property to change the background color of an element to XYZ 29.1256, 28.0525, 94.3221 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(58, 145, 250) }
```

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

```
.background{ background-color: rgb(58, 145,  
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](#).

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