

Converting Colors

XYZ(28.0953, 28.4793, 90.9866)

Have a look what the booklet for
XYZ(28.0953, 28.4793, 90.9866)
contains.

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Color

**XYZ(28.1813, 28.5608,
91.2162)**

Conversions

Conversions Part 1

Format	Color
Hex	2695F6
RGB	38, 149, 246
RGB Percent	15%, 58%, 96%
CMY	0.8509, 0.4157, 0.0353
CMYK	0.85, 0.39, 0.00, 0.04
HSL	208°, 92%, 56%
HSV	208°, 85%, 96%
XYZ	28.1813, 28.5608, 91.2162
YIQ	126.8690, -97.2930, 6.6350

Conversions

Conversions Part 2

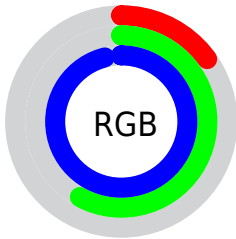
Format	Color
R_{YB}	38, 110, 246
Decimal	2528758
CIE _{Lab}	60.39, 4.13, -56.83
CIE _{LCh}	60, 56.978, 274.160
Yxy	28.5608, 0.1905, 0.1930
Android (android.graphics.Color)	4280718838 (0xFF2695F6)
YUV	126.8690, 58.7316, -77.9381
Hunter-Lab	53.4423, 0.6029, -63.7875

Details

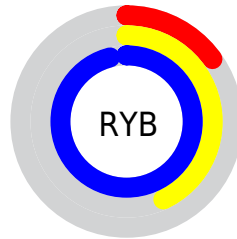
The XYZ color **28.1813, 28.5608, 91.2162** is a dark color, and the websafe version is hex **0099FF**. The color can be described as middle washed azure. A complement of this color would be **47.0236, 37.0672, 6.5119**, and the grayscale version is **19.9595, 20.9990, 22.8679**.

A 20% lighter version of the original color is **47.0137, 53.8538, 102.5247**, and **13.6471, 12.5978, 49.8564** is the 20% darker color. If you saturate the color by 10%, you get **25.8279, 24.7845, 90.6120**, and if you desaturate by 10%, it is **31.3138, 33.0047, 91.9095**.

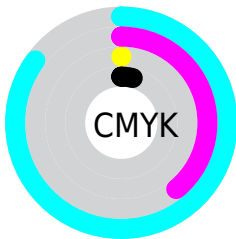
Distribution



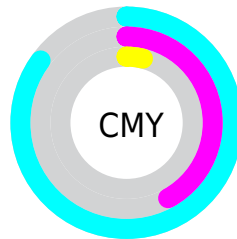
- Red (15%)
- Green (58%)
- Blue (96%)



- Red (15%)
- Yellow (43%)
- Blue (96%)



- Cyan (85%)
- Magenta (39%)
- Yellow (0%)
- Black (4%)



- Cyan (85%)
- Magenta (42%)
- Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.1813, 28.5608, 91.2162 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 28.1813, 28.5608, 91.2162 by changing the saturation by 10% instead.

■ 28.1813, 28.5608,
91.2162

■ 28.1813, 28.5608,
91.2162

285.3966,
295.1370, 552.6511

■ 18.6035, 18.7488,
68.4104

■ 56.1804, 57.3785,
150.9768

■ 11.4864, 11.4889,
49.7629

■ 75.3324, 77.1531,
188.7688

■ 6.4647, 6.3967,
34.8552

■ 98.4066, 101.0173,
232.3932

■ 3.1730, 3.0878,
23.2687

■ 125.7682,
129.3556, 282.2686

■ 1.2459, 1.1777,
14.5849

■ 157.7826,
162.5523, 338.8135

■ 0.1421, 0.0434,
8.3852

194.8153,

■ 0.0000, 0.0000,

200.9918, 402.4466

4.2511

237.2315,
245.0586, 473.5862

■ 0.0000, 0.0000,
1.7641

■ 0.0000, 0.0000,
0.4041

■ 28.1813, 28.5608,
91.2162

■ 28.1813, 28.5608,
91.2162

■ 25.8279, 24.7845,
90.6120

■ 31.3138, 33.0047,
91.9095

■ 24.7870, 22.9585,
90.3144

■ 35.3286, 38.1761,
92.6961

■ 40.3147, 44.1280,
93.5821

■ 46.3483, 50.9065,
94.5725

■ 53.4972, 58.5532,
95.6717

■ 61.8231, 67.1062,
96.8837

■ 71.3830, 76.6010,
98.2126

■ 82.2298, 87.0709,
99.6618

■ 92.7671, 97.6987,
101.1578

Harmonies

Analogous

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



21.4555, 28.5608, 83.3997



28.1813, 28.5608, 91.2162



35.8528, 28.5608, 77.8753

Triad

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



28.1813, 28.5608, 91.2162



40.5566, 28.5608, 13.4951



16.3357, 28.5608, 16.6152

Complementary

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



28.1813, 28.5608, 91.2162



47.0236, 37.0672, 6.5119

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.



19.9773, 28.5608, 8.2300



28.1813, 28.5608, 91.2162



33.7634, 28.5608, 7.0812

Square

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



28.1813, 28.5608, 91.2162



43.7666, 28.5608, 28.2612



26.1367, 28.5608, 5.7148



15.3772, 28.5608, 34.1183

Rectangle

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



28.1813, 28.5608, 91.2162



40.2476, 28.5608, 61.2205



26.1367, 28.5608, 5.7148



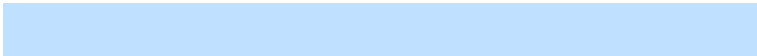
17.2498, 28.5608, 12.9469

Sweetspot

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



28.1825, 28.5617, 91.2170



66.5964, 72.3240, 105.0577



37.8946, 67.9798, 32.8153



13.5467, 14.7603, 22.3850



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.



28.1825, 28.5617, 91.2170



26.8640, 24.8480, 97.9880



18.5091, 9.2149, 87.9925



16.3134, 17.3911, 21.0396



13.3722, 12.5381, 48.2533



1.2781, 1.3077, 4.2753

Inverse Universe

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



44.1251, 23.1506, 30.5772



45.6889, 23.0396, 25.3576



68.2375, 79.4949, 13.5832



16.8688, 16.6304, 19.0555



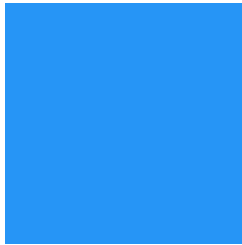
22.5542, 11.3651, 12.8925



2.0342, 1.0196, 1.4065

Previews

White Background



This preview shows how the XYZ color 28.1813, 28.5608, 91.2162 looks on a white background.

Color Contrast Check

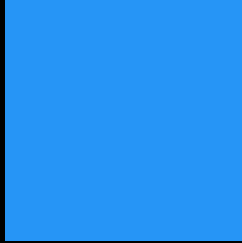
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.1813, 28.5608, 91.2162 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

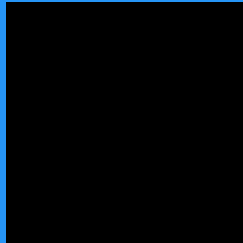
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

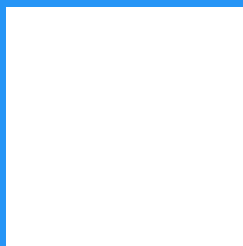
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 28.1813, 28.5608, 91.2162

Background



This preview shows how black text looks on a background with the XYZ color 28.1813, 28.5608, 91.2162.

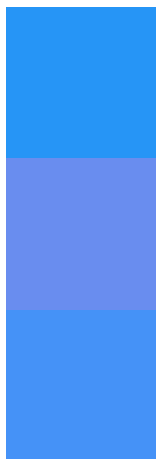


This preview shows how white text looks on a background with the XYZ color 28.1813, 28.5608,

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

28.1813, 28.5608, 91.2162

Protanopia

30.9306, 28.2850, 85.4907

Deuteranopia

29.5216, 28.5384, 91.9482



Tritanopia

20.1913, 28.4683, 43.4605

Trichromacy



Original Color

28.1813, 28.5608, 91.2162

Protanomaly

29.3936, 28.1067, 87.8803

Deuteranomaly

28.9671, 28.4824, 91.9666

Tritanomaly

22.5469, 28.3308, 58.3129

Monochromacy



Original Color

28.1813, 28.5608, 91.2162

Achromatopsia

20.1725, 21.2231, 23.1119

Achromatomaly

20.6390, 22.6631, 41.3168

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.1813, 28.5608, 91.2162 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(38, 149, 246)` looks like.

```
.text, #text, p{  
    color:rgb(38, 149, 246)  
}
```

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(38, 149, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(38, 149, 246) }
```

Border

The CSS property to change the border of an element to XYZ 28.1813, 28.5608, 91.2162 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(38, 149, 246) }
```


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

```
.border{ border-color:rgb(38, 149, 246) }
```

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

Here you see how a box with a 4 pixel `rgb(38, 149, 246)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(38, 149, 246); -webkit-box-  
shadow:4px 4px 4px 4px rgb(38, 149, 246);  
box-shadow:4px 4px 4px 4px rgb(38, 149,  
246) }
```

Background

The CSS property to change the background color of an element to XYZ 28.1813, 28.5608, 91.2162 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(38, 149, 246) }
```

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

```
.background{ background-color: rgb(38, 149,  
246) }
```

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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