

Converting Colors

XYZ(29.4762, 28.4287, 87.4056)

Have a look what the booklet for
XYZ(29.4762, 28.4287, 87.4056)
contains.

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Color

**XYZ(29.3959, 28.3510,
87.1420)**

Conversions

Conversions Part 1

Format	Color
Hex	5191F1
RGB	81, 145, 241
RGB Percent	32%, 57%, 95%
CMY	0.6823, 0.4314, 0.0549
CMYK	0.66, 0.40, 0.00, 0.05
HSL	216°, 85%, 63%
HSV	216°, 66%, 95%
XYZ	29.3959, 28.3510, 87.1420
YIQ	136.8080, -68.9600, 16.2880

Conversions

Conversions Part 2

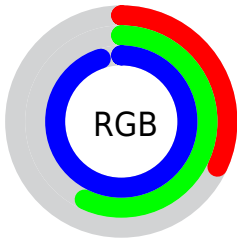
Format	Color
R _Y B	81, 127, 241
Decimal	5345777
CIE Lab	60.20, 9.66, -54.30
CIE LCh	60, 55.155, 280.091
Yxy	28.3510, 0.2029, 0.1957
Android (android.graphics.Color)	4283535857 (0xFF5191F1)
YUV	136.8080, 51.3667, -48.9436
Hunter-Lab	53.2457, 5.3665, -59.7622

Details

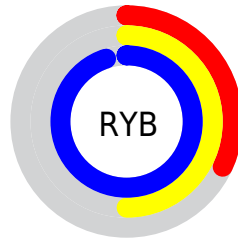
The XYZ color **29.3959, 28.3510, 87.1420** is a light color, and the websafe version is hex **6699FF**. The color can be described as light muted azure. A complement of this color would be **53.4852, 50.7428, 14.7618**, and the grayscale version is **23.5378, 24.7636, 26.9676**.

A 20% lighter version of the original color is **49.9211, 53.6279, 102.3278**, and **12.7439, 11.6451, 46.9235** is the 20% darker color. If you saturate the color by 10%, you get **25.6142, 23.3276, 86.3723**, and if you desaturate by 10%, it is **34.1936, 34.3163, 88.0412**.

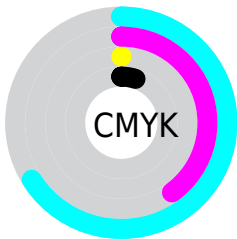
Distribution



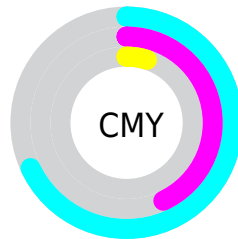
- Red (32%)
- Green (57%)
- Blue (95%)



- Red (32%)
- Yellow (50%)
- Blue (95%)



- Cyan (66%)
- Magenta (40%)
- Yellow (0%)
- Black (5%)



- Cyan (68%)
- Magenta (43%)
- Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.3959, 28.3510, 87.1420 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 29.3959, 28.3510, 87.1420 by changing the saturation by 10% instead.

■ 29.3959, 28.3510,
87.1420

■ 29.3959, 28.3510,
87.1420

291.0390,
294.1403, 539.0177

■ 19.5263, 18.5904,
65.0524

■ 58.0987, 57.0443,
145.2627

■ 12.1574, 11.3747,
47.0520

■ 77.6627, 76.7459,
182.1308

■ 6.9240, 6.3195,
32.7221

■ 101.1887,
100.5299, 224.7623

■ 3.4605, 3.0403,
21.6443

■ 129.0423,
128.7807, 273.5756

■ 1.4017, 1.1528,
13.3999

161.5888,
161.8828, 328.9892

■ 0.2574, 0.0226,
7.5706

199.1935,

■ 0.0000, 0.0000,

200.2205, 391.4217

3.7376

242.2218,
244.1782, 461.2917

■ 0.0000, 0.0000,
1.4825

■ 0.0000, 0.0000,
0.2049

■ 29.3959, 28.3510,
87.1420

■ 29.3959, 28.3510,
87.1420

■ 25.6142, 23.3276,
86.3723

■ 34.1936, 34.3163,
88.0412

■ 22.7530, 19.1804,
85.7226

■ 40.0836, 41.2768,
89.0742

■ 20.7004, 15.8352,
85.1851

■ 47.1379, 49.2839,
90.2480

■ 20.0962, 14.7887,
85.0150

■ 55.4214, 58.3846,
91.5680

■ 64.9935, 68.6223,
93.0396

■ 75.9098, 80.0380,
94.6677

■ 88.2224, 92.6707,
96.4571

■ 92.8773, 99.1309,
97.4587

Harmonies

Analogous

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



22.5837, 28.3510, 83.7476



29.3959, 28.3510, 87.1420



36.6682, 28.3510, 71.1840

Triad

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



29.3959, 28.3510, 87.1420



38.7226, 28.3510, 11.9916



16.0927, 28.3510, 19.4335

Complementary

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



29.3959, 28.3510, 87.1420



53.4852, 50.7428, 14.7618

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.



19.1161, 28.3510, 9.6573



29.3959, 28.3510, 87.1420



31.8385, 28.3510, 6.8460

Square

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



29.3959, 28.3510, 87.1420



42.6423, 28.3510, 24.5464



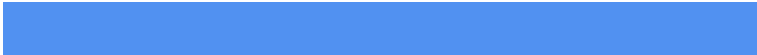
24.6376, 28.3510, 6.2343



15.6700, 28.3510, 38.1945

Rectangle

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



29.3959, 28.3510, 87.1420



40.5091, 28.3510, 54.5943



24.6376, 28.3510, 6.2343



16.8098, 28.3510, 15.2594

Sweetspot

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



29.3971, 28.3519, 87.1427



69.7148, 73.5832, 105.1364



42.7859, 67.8353, 52.4356



14.2661, 15.0483, 22.4027



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.



29.3971, 28.3519, 87.1427



27.7473, 24.5880, 97.8913



23.7511, 14.7790, 84.8205



15.4161, 16.2663, 20.0488



11.0211, 8.2664, 46.1426



1.0116, 0.8772, 3.8702

Inverse Universe

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



44.3299, 26.6315, 29.5926



46.6295, 25.3099, 24.4713



63.9929, 79.5130, 19.7612



16.0347, 15.8636, 17.7391



20.8885, 10.6278, 7.3296



1.7856, 0.9033, 0.8617

Previews

White Background



This preview shows how the XYZ color 29.3959, 28.3510, 87.1420 looks on a white background.

Color Contrast Check

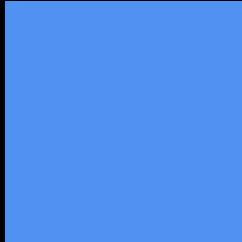
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.3959, 28.3510, 87.1420 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

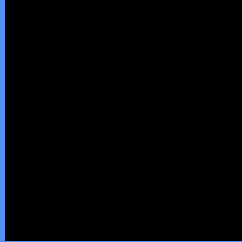
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

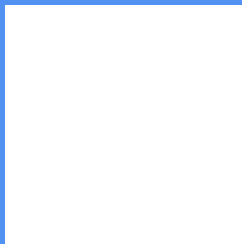
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 29.3959, 28.3510, 87.1420

Background



This preview shows how black text looks on a background with the XYZ color 29.3959, 28.3510, 87.1420.



This preview shows how white text looks on a background with the XYZ color 29.3959, 28.3510,

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

29.3959, 28.3510, 87.1420

Protanopia

30.6366, 28.1674, 83.9429

Deuteranopia

29.2270, 28.2639, 87.1341



Tritanopia

20.8412, 28.5338, 43.9443

Trichromacy



Original Color

29.3959, 28.3510, 87.1420

Protanomaly

29.9295, 28.0058, 84.7171

Deuteranomaly

29.3108, 28.3071, 87.1381

Tritanomaly

23.3306, 28.2500, 57.6492

Monochromacy



Original Color

29.3959, 28.3510, 87.1420

Achromatopsia

23.7775, 25.0158, 27.2422

Achromatomaly

24.4521, 25.6332, 44.2164

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.3959, 28.3510, 87.1420 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(81, 145, 241)` looks like.

```
.text, #text, p{  
    color:rgb(81, 145, 241)  
}
```

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(81, 145, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(81, 145, 241) }
```

Border

The CSS property to change the border of an element to XYZ 29.3959, 28.3510, 87.1420 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(81, 145, 241) }
```


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

```
.border{ border-color:rgb(81, 145, 241) }
```

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

Here you see how a box with a 4 pixel `rgb(81, 145, 241)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(81, 145, 241); -webkit-box-  
shadow:4px 4px 4px 4px rgb(81, 145, 241);  
box-shadow:4px 4px 4px 4px rgb(81, 145,  
241) }
```

Background

The CSS property to change the background color of an element to XYZ 29.3959, 28.3510, 87.1420 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(81, 145, 241) }
```

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

```
.background{ background-color: rgb(81, 145,  
241) }
```

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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