

# Converting Colors

XYZ(27.8259, 29.3629, 79.0639)

Have a look what the booklet for  
XYZ(27.8259, 29.3629, 79.0639)  
contains.

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# Color

**XYZ(27.8259, 29.3629,  
79.0639)**

# Conversions

## Conversions Part 1

Format	Color
Hex	4398E6
RGB	67, 152, 230
RGB Percent	26%, 60%, 90%
CMY	0.7372, 0.4039, 0.0980
CMYK	0.71, 0.34, 0.00, 0.10
HSL	209°, 77%, 58%
HSV	209°, 71%, 90%
XYZ	27.8259, 29.3629, 79.0639
YIQ	135.4770, -75.6980, 6.2380

# Conversions

## Conversions Part 2

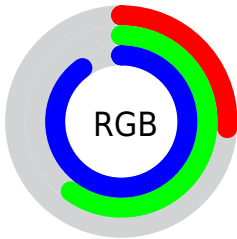
<b>Format</b>	<b>Color</b>
R <sub>YB</sub>	67, 123, 230
Decimal	4430054
CIE Lab	61.10, -0.33, -46.83
CIE LCh	61, 46.833, 269.598
Yxy	29.3629, 0.2042, 0.2155
Android (android.graphics.Color)	4282620134 (0xFF4398E6)
YUV	135.4770, 46.5998, -60.0543
Hunter-Lab	54.1875, -3.1665, -48.5775

# Details

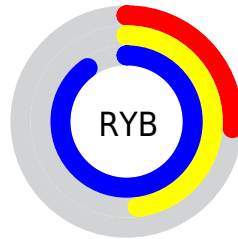
The XYZ color **27.8259, 29.3629, 79.0639** is a light color, and the websafe version is hex **0099FF**. The color can be described as light muted azure. A complement of this color would be **43.7738, 37.4825, 10.2397**, and the grayscale version is **23.0601, 24.2610, 26.4203**.

A 20% lighter version of the original color is **49.7942, 56.3492, 102.8598**, and **12.3914, 12.5587, 41.8154** is the 20% darker color. If you saturate the color by 10%, you get **24.8463, 25.2971, 78.4368**, and if you desaturate by 10%, it is **31.5992, 34.0848, 79.7771**.

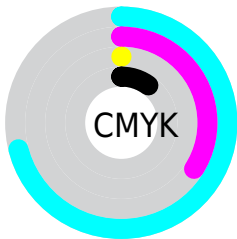
# Distribution



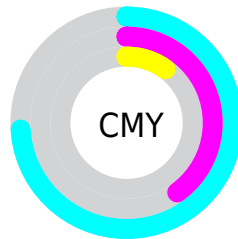
- Red (26%)
- Green (60%)
- Blue (90%)



- Red (26%)
- Yellow (48%)
- Blue (90%)



- Cyan (71%)
- Magenta (34%)
- Yellow (0%)
- Black (10%)



- Cyan (74%)
- Magenta (40%)
- Yellow (10%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 27.8259, 29.3629, 79.0639 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 27.8259, 29.3629, 79.0639 by changing the saturation by 10% instead.



■ 27.8259, 29.3629,  
79.0639

■ 27.8259, 29.3629,  
79.0639

283.7293,  
298.9234, 511.3958

■ 18.3342, 19.3555,  
58.4267

■ 55.6170, 58.6532,  
133.8483

■ 11.2914, 11.9274,  
41.7348

■ 74.6471, 78.7048,  
168.8326

■ 6.3319, 6.6943,  
28.5697

■ 97.5874, 102.8734,  
209.4363

■ 3.0905, 3.2717,  
18.5128

■ 124.8032,  
131.5433, 256.0781

■ 1.2018, 1.2752,  
11.1455

156.6600,  
165.0988, 309.1764

■ 0.1078, 0.1218,  
6.0494

193.5230,

■ 0.0000, 0.0000,

203.9244, 369.1497

2.8059

235.7576,  
248.4045, 436.4167

■ 0.0000, 0.0000,  
0.9964

■ 0.0000, 0.0000,  
0.0000

■ 27.8259, 29.3629,  
79.0639

■ 27.8259, 29.3629,  
79.0639

■ 24.8463, 25.2971,  
78.4368

■ 31.5992, 34.0848,  
79.7771

■ 22.5736, 21.8348,  
77.8883

■ 36.2335, 39.5026,  
80.5786

■ 20.9915, 19.1301,  
77.4496

■ 41.7918, 45.6555,  
81.4732

■ 48.3298, 52.5781,  
82.4648

■ 55.8986, 60.3025,  
83.5569

■ 64.5454, 68.8587,  
84.7526

■ 74.3145, 78.2748,  
86.0553

■ 85.2474, 88.5776,  
87.4677

■ 90.0397, 96.0066,  
88.6490

# Harmonies

## Analogous

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



22.3533, 29.3629, 70.8692



27.8259, 29.3629, 79.0639



34.1513, 29.3629, 71.2728

# Triad

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



27.8259, 29.3629, 79.0639



39.4763, 29.3629, 18.0170



18.9188, 29.3629, 17.7384

# Complementary

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



27.8259, 29.3629, 79.0639



43.7738, 37.4825, 10.2397

# 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.



22.4771, 29.3629, 10.6710



27.8259, 29.3629, 79.0639



34.3155, 29.3629, 10.7855

# Square

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



27.8259, 29.3629, 79.0639



41.4479, 29.3629, 32.2087



27.9914, 29.3629, 8.6872



17.6945, 29.3629, 31.7348



# Rectangle

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



27.8259, 29.3629, 79.0639



37.8924, 29.3629, 59.2546



27.9914, 29.3629, 8.6872



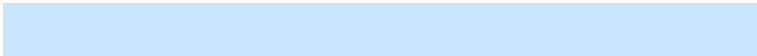
19.8532, 29.3629, 14.6901

# Sweetspot

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



27.8270, 29.3639, 79.0646



70.3813, 75.9455, 105.5572



35.5760, 59.7731, 35.6779



14.4693, 15.6546, 22.5090



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.



27.8270, 29.3639, 79.0646



29.9693, 29.8582, 98.7914



18.9447, 11.5993, 76.1039



14.2015, 15.1244, 18.3151



12.0074, 11.0769, 43.8884



0.9802, 1.0044, 3.2742



# Inverse Universe

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



40.3088, 23.1058, 32.0418



47.5493, 24.9055, 31.6959



60.4554, 70.8455, 15.8002



14.6893, 14.4929, 16.5643



20.4543, 10.3159, 11.2872

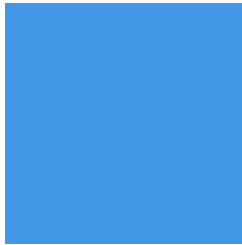


1.5584, 0.7811, 1.0811



# Previews

## White Background



This preview shows how the XYZ color 27.8259, 29.3629, 79.0639 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

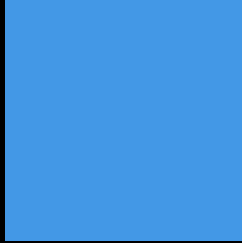
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 27.8259, 29.3629, 79.0639 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

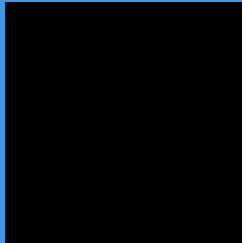
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**XYZ 27.8259, 29.3629, 79.0639**

## **Background**



This preview shows how black text looks on a background with the XYZ color 27.8259, 29.3629, 79.0639.



This preview shows how white text looks on a background with the XYZ color 27.8259, 29.3629,



# 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

27.8259, 29.3629, 79.0639

### Protanopia

30.9003, 29.1962, 73.8188

### Deuteranopia

30.1131, 29.3463, 79.6786



## Tritanopia

21.0853, 29.4071, 45.6391

# Trichromacy



## Original Color

27.8259, 29.3629, 79.0639

## Protanomaly

29.4167, 29.0677, 76.0117

## Deuteranomaly

29.1958, 29.3391, 79.7255

## Tritanomaly

22.9576, 29.0889, 56.6293

# Monochromacy



## Original Color

27.8259, 29.3629, 79.0639

## Achromatopsia

23.0288, 24.2281, 26.3844

## Achromatomaly

23.2110, 25.2670, 41.6839

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 27.8259, 29.3629, 79.0639 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(67, 152, 230)` looks like.

```
.text, #text, p{  
    color:rgb(67, 152, 230)  
}
```

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(67, 152, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(67, 152, 230) }
```

## Border

The CSS property to change the border of an element to XYZ 27.8259, 29.3629, 79.0639 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".

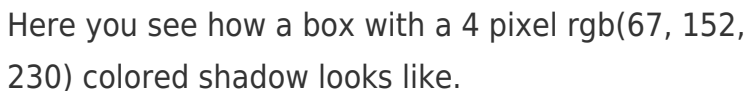
```
.border, #border, table{ border:4px solid rgb(67, 152, 230) }
```



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

```
.border{ border-color:rgb(67, 152, 230) }
```

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



Here you see how a box with a 4 pixel `rgb(67, 152, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(67, 152, 230); -webkit-box-shadow:4px 4px 4px 4px rgb(67, 152, 230); box-shadow:4px 4px 4px 4px rgb(67, 152, 230) }
```

# Background

The CSS property to change the background color of an element to XYZ 27.8259, 29.3629, 79.0639 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(67, 152, 230) }
```

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

```
.background{ background-color: rgb(67, 152,  
230) }
```

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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