

Converting Colors

XYZ(28.5195, 29.4421, 76.8166)

Have a look what the booklet for
XYZ(28.5195, 29.4421, 76.8166)
contains.

XYZ(28.5879, 29.5641, 76.8727)	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(28.5879, 29.5641,
76.8727)**

Conversions

Conversions Part 1

Format	Color
Hex	5497E3
RGB	84, 151, 227
RGB Percent	33%, 59%, 89%
CMY	0.6706, 0.4078, 0.1098
CMYK	0.63, 0.33, 0.00, 0.11
HSL	212°, 72%, 61%
HSV	212°, 63%, 89%
XYZ	28.5879, 29.5641, 76.8727
YIQ	139.6310, -64.3280, 9.4320

Conversions

Conversions Part 2

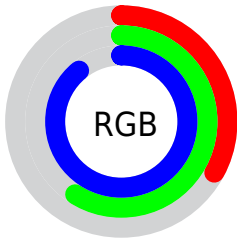
Format	Color
R _Y B	84, 130, 227
Decimal	5543907
CIE Lab	61.28, 1.92, -44.85
CIE LCh	61, 44.894, 272.448
Yxy	29.5641, 0.2117, 0.2190
Android (android.graphics.Color)	4283733987 (0xFF5497E3)
YUV	139.6310, 43.0729, -48.7884
Hunter-Lab	54.3729, -1.3017, -45.7635

Details

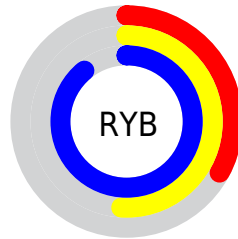
The XYZ color **28.5879, 29.5641, 76.8727** is a light color, and the websafe version is hex **6699CC**. The color can be described as light muted azure. A complement of this color would be **45.8513, 42.1152, 14.1016**, and the grayscale version is **24.6419, 25.9251, 28.2325**.

A 20% lighter version of the original color is **51.5584, 56.9024, 102.8736**, and **12.0044, 12.2476, 40.2594** is the 20% darker color. If you saturate the color by 10%, you get **25.0322, 24.9950, 76.1788**, and if you desaturate by 10%, it is **33.0026, 34.8719, 77.6651**.

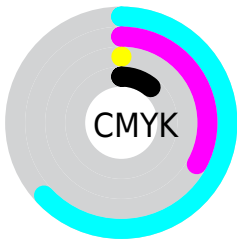
Distribution



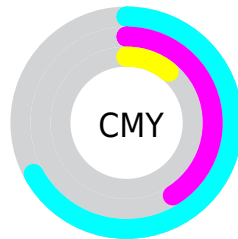
- Red (33%)
- Green (59%)
- Blue (89%)



- Red (33%)
- Yellow (51%)
- Blue (89%)



- Cyan (63%)
- Magenta (33%)
- Yellow (0%)
- Black (11%)



- Cyan (67%)
- Magenta (41%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.5879, 29.5641, 76.8727 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 28.5879, 29.5641, 76.8727 by changing the saturation by 10% instead.

■ 28.5879, 29.5641,
76.8727

■ 28.5879, 29.5641,
76.8727

287.2950,
299.8673, 503.7560

■ 18.9120, 19.5080,
56.6375

■ 56.8238, 58.9721,
130.7311

■ 11.7103, 12.0379,
40.3068

■ 76.1145, 79.0928,
165.1914

■ 6.6176, 6.7695,
27.4622

■ 99.3409, 103.3372,
205.2305

■ 3.2683, 3.3184,
17.6852

■ 126.8683,
132.0895, 251.2668

■ 1.2972, 1.3001,
10.5571

159.0620,
165.7344, 303.7190

■ 0.1811, 0.1413,
5.6595

196.2875,

■ 0.0000, 0.0000,

204.6560, 363.0056

2.5737

238.9100,
249.2388, 429.5451

■ 0.0000, 0.0000,
0.8788

■ 0.0000, 0.0000,
0.0000

■ 28.5879, 29.5641,
76.8727

■ 28.5879, 29.5641,
76.8727

■ 25.0322, 24.9950,
76.1788

■ 33.0026, 34.8719,
77.6651

■ 22.2600, 21.1156,
75.5761

■ 38.3362, 40.9564,
78.5585

■ 20.1861, 17.8730,
75.0595

■ 44.6464, 47.8559,
79.5576

■ 19.0557, 15.9270,
74.7435

■ 51.9850, 55.6050,
80.6665

■ 60.3999, 64.2358,
81.8889

■ 69.9358, 73.7787,
83.2283

■ 80.6347, 84.2624,
84.6880

■ 88.5254, 93.6463,
86.0834

■ 90.8652, 98.3261,
86.8633

Harmonies

Analogous

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



23.1651, 29.5641, 70.5164



28.5879, 29.5641, 76.8727



34.6473, 29.5641, 68.1979

Triad

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



28.5879, 29.5641, 76.8727



38.8197, 29.5641, 17.6977



19.1822, 29.5641, 19.3630

Complementary

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



28.5879, 29.5641, 76.8727



45.8513, 42.1152, 14.1016

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.



22.4339, 29.5641, 11.7987



28.5879, 29.5641, 76.8727



33.6897, 29.5641, 11.1011

Square

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



28.5879, 29.5641, 76.8727



41.0485, 29.5641, 30.8203



27.6173, 29.5641, 9.3965



18.2082, 29.5641, 33.6003

Rectangle

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



28.5879, 29.5641, 76.8727



38.1043, 29.5641, 56.3743



27.6173, 29.5641, 9.3965



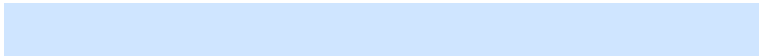
20.0203, 29.5641, 16.1520

Sweetspot

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



28.5890, 29.5651, 76.8734



71.7449, 76.5974, 105.6112



37.2880, 59.2885, 41.7756



14.7041, 15.7212, 22.5095



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.



28.5890, 29.5651, 76.8734



31.2147, 30.6742, 98.8833



20.9100, 13.8850, 74.2516



14.1368, 14.9949, 18.2936



11.2278, 9.5178, 43.6285



0.9220, 0.8879, 3.2548

Inverse Universe

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



40.4358, 24.9073, 31.9554



48.5867, 26.8858, 32.3335



60.0021, 71.5250, 19.0324



14.6566, 14.4798, 16.3921



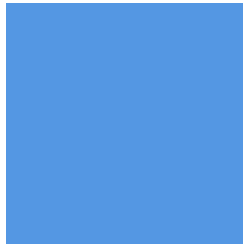
20.0608, 10.1585, 9.2151



1.5290, 0.7693, 0.9263

Previews

White Background



This preview shows how the XYZ color 28.5879, 29.5641, 76.8727 looks on a white background.

Color Contrast Check

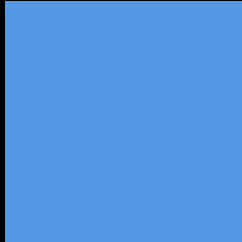
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.5879, 29.5641, 76.8727 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 28.5879, 29.5641, 76.8727

Background



This preview shows how black text looks on a background with the XYZ color 28.5879, 29.5641, 76.8727.

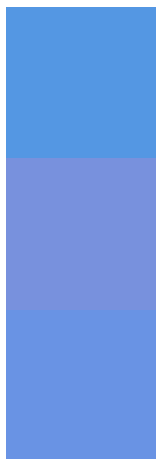


This preview shows how white text looks on a background with the XYZ color 28.5879, 29.5641,

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

28.5879, 29.5641, 76.8727

Protanopia

30.9223, 29.4643, 72.4640

Deuteranopia

30.2630, 29.4721, 77.4924



Tritanopia

22.1701, 29.4547, 45.0743

Trichromacy



Original Color

28.5879, 29.5641, 76.8727

Protanomaly

29.8164, 29.3209, 73.9001

Deuteranomaly

29.5233, 29.3226, 77.5026

Tritanomaly

24.1093, 29.2023, 55.4048

Monochromacy



Original Color

28.5879, 29.5641, 76.8727

Achromatopsia

24.9269, 26.2251, 28.5591

Achromatomaly

25.1654, 26.9181, 42.8991

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.5879, 29.5641, 76.8727 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(84, 151, 227)` looks like.

```
.text, #text, p{  
    color:rgb(84, 151, 227)  
}
```

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(84, 151, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(84, 151, 227) }
```

Border

The CSS property to change the border of an element to XYZ 28.5879, 29.5641, 76.8727 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(84, 151, 227) }
```


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

```
.border{ border-color:rgb(84, 151, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(84, 151, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(84, 151, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(84, 151, 227);  
box-shadow:4px 4px 4px 4px rgb(84, 151,  
227) }
```

Background

The CSS property to change the background color of an element to XYZ 28.5879, 29.5641, 76.8727 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(84, 151, 227) }
```

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

```
.background{ background-color: rgb(84, 151,  
227) }
```

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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