

Converting Colors

XYZ(27.8419, 29.3912, 71.2235)

Have a look what the booklet for
XYZ(27.8419, 29.3912, 71.2235)
contains.

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Color

**XYZ(27.7833, 29.2739,
71.2039)**

Conversions

Conversions Part 1

Format	Color
Hex	5797DB
RGB	87, 151, 219
RGB Percent	34%, 59%, 86%
CMY	0.6588, 0.4078, 0.1412
CMYK	0.60, 0.31, 0.00, 0.14
HSL	211°, 65%, 60%
HSV	211°, 60%, 86%
XYZ	27.7833, 29.2739, 71.2039
YIQ	139.6160, -59.9720, 7.5800

Conversions

Conversions Part 2

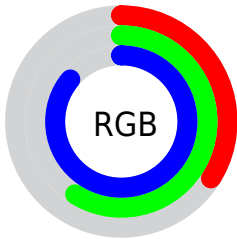
Format	Color
R _Y B	87, 130, 219
Decimal	5740507
CIE Lab	61.02, -0.16, -40.80
CIE LCh	61, 40.801, 269.773
Yxy	29.2739, 0.2166, 0.2282
Android (android.graphics.Color)	4283930587 (0xFF5797DB)
YUV	139.6160, 39.1363, -46.1442
Hunter-Lab	54.1054, -3.0240, -40.1533

Details

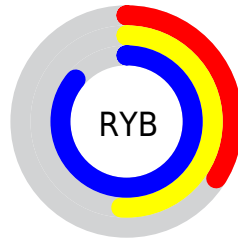
The XYZ color **27.7833, 29.2739, 71.2039** is a light color, and the websafe version is hex **6699CC**. The color can be described as light muted azure. A complement of this color would be **42.6567, 39.1933, 14.3353**, and the grayscale version is **24.6495, 25.9332, 28.2413**.

A 20% lighter version of the original color is **51.7354, 56.9936, 102.8819**, and **11.3545, 11.9877, 36.8374** is the 20% darker color. If you saturate the color by 10%, you get **24.3105, 24.9163, 70.5464**, and if you desaturate by 10%, it is **32.0520, 34.3007, 71.9498**.

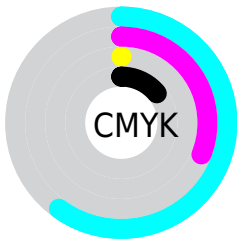
Distribution



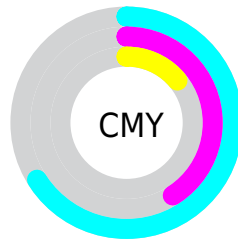
- Red (34%)
- Green (59%)
- Blue (86%)



- Red (34%)
- Yellow (51%)
- Blue (86%)



- Cyan (60%)
- Magenta (31%)
- Yellow (0%)
- Black (14%)



- Cyan (66%)
- Magenta (41%)
- Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.7833, 29.2739, 71.2039 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 27.7833, 29.2739, 71.2039 by changing the saturation by 10% instead.

■ 27.7833, 29.2739,
71.2039

■ 27.7833, 29.2739,
71.2039

283.5289,
298.5051, 483.6688

■ 18.3020, 19.2881,
52.0258

■ 55.5494, 58.5120,
122.6212

■ 11.2680, 11.8787,
36.6432

■ 74.5648, 78.5331,
155.6974

■ 6.3160, 6.6611,
24.6378

■ 97.4890, 102.6680,
194.2434

■ 3.0807, 3.2511,
15.5908

■ 124.6873,
131.3013, 238.6777

■ 1.1966, 1.2642,
9.0839

156.5251,
164.8172, 289.4188

■ 0.1037, 0.1132,
4.6984

193.3677,

■ 0.0000, 0.0000,

203.6003, 346.8853

2.0158

235.5805,
248.0348, 411.4958

■ 0.0000, 0.0000,
0.5649

■ 0.0000, 0.0000,
0.0000

■ 27.7833, 29.2739,
71.2039

■ 27.7833, 29.2739,
71.2039

■ 24.3105, 24.9163,
70.5464

■ 32.0520, 34.3007,
71.9498

■ 21.5676, 21.1853,
69.9708

■ 37.1690, 40.0293,
72.7858

■ 19.4815, 18.0361,
69.4729

■ 43.1854, 46.4930,
73.7163

■ 17.9587, 15.4593,
69.0558

■ 50.1471, 53.7221,
74.7448

■ 58.0967, 61.7446,
75.8743

■ 67.0741, 70.5872,
77.1079

■ 77.1168, 80.2750,
78.4485

■ 85.5586, 89.4391,
79.7725

■ 89.0072, 96.3364,
80.9220

Harmonies

Analogous

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



22.9725, 29.2739, 64.5940



27.7833, 29.2739, 71.2039



33.2350, 29.2739, 64.7807

Triad

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



27.7833, 29.2739, 71.2039



37.7118, 29.2739, 19.3982



19.8683, 29.2739, 19.2537

Complementary

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



27.7833, 29.2739, 71.2039



42.6567, 39.1933, 14.3353

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.



23.0346, 29.2739, 12.5694



27.7833, 29.2739, 71.2039



33.3144, 29.2739, 12.6321

Square

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



27.7833, 29.2739, 71.2039



39.3946, 29.2739, 31.9910



27.8647, 29.2739, 10.5973



18.7747, 29.2739, 31.7579

Rectangle

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



27.7833, 29.2739, 71.2039



36.4140, 29.2739, 54.8617



27.8647, 29.2739, 10.5973



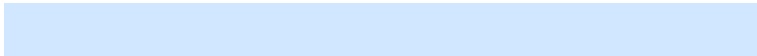
20.7037, 29.2739, 16.4164

Sweetspot

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



27.7844, 29.2749, 71.2046



73.0478, 78.1399, 105.8402



35.0130, 54.9901, 38.9076



14.9690, 16.0447, 22.5579



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.



27.7844, 29.2749, 71.2046



33.3208, 33.8604, 99.3873



20.1263, 13.9587, 68.6519



12.8571, 13.6540, 16.6100



10.7573, 9.3841, 40.9827



0.7830, 0.7800, 2.6837

Inverse Universe

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



38.2085, 24.1122, 31.9192



49.9003, 28.3701, 36.2942



56.2660, 66.4119, 18.8717



13.3177, 13.1562, 14.9345



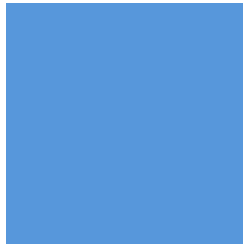
18.9251, 9.5711, 9.2517



1.2695, 0.6374, 0.8281

Previews

White Background



This preview shows how the XYZ color 27.7833, 29.2739, 71.2039 looks on a white background.

Color Contrast Check

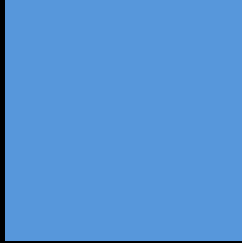
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.7833, 29.2739, 71.2039 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 27.7833, 29.2739, 71.2039

Background



This preview shows how black text looks on a background with the XYZ color 27.7833, 29.2739, 71.2039.

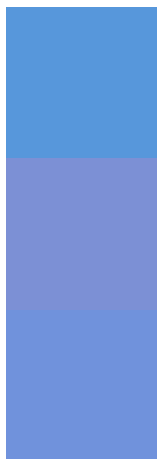


This preview shows how white text looks on a background with the XYZ color 27.7833, 29.2739,

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

27.7833, 29.2739, 71.2039

Protanopia

30.2957, 29.0357, 66.9585

Deuteranopia

29.8792, 29.1698, 71.7657



Tritanopia

22.3604, 29.3170, 44.0154

Trichromacy



Original Color

27.7833, 29.2739, 71.2039

Protanomaly

29.2550, 29.1532, 68.3752

Deuteranomaly

29.1017, 29.2307, 71.8184

Tritanomaly

24.1753, 29.2875, 53.0941

Monochromacy



Original Color

27.7833, 29.2739, 71.2039

Achromatopsia

24.9269, 26.2251, 28.5591

Achromatomaly

25.0198, 26.8760, 41.4050

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.7833, 29.2739, 71.2039 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(87, 151, 219)` looks like.

```
.text, #text, p{  
    color:rgb(87, 151, 219)  
}
```

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(87, 151, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 151, 219) }
```

Border

The CSS property to change the border of an element to XYZ 27.7833, 29.2739, 71.2039 is called "border". The border property can be set on classes, ids or directly on the HTML element.

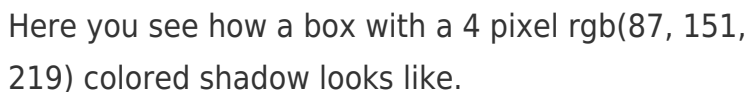
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(87, 151, 219) }
```


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

```
.border{ border-color:rgb(87, 151, 219) }
```

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



Here you see how a box with a 4 pixel `rgb(87, 151, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(87, 151, 219); -webkit-box-shadow:4px 4px 4px 4px rgb(87, 151, 219); box-shadow:4px 4px 4px 4px rgb(87, 151, 219) }
```

Background

The CSS property to change the background color of an element to XYZ 27.7833, 29.2739, 71.2039 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 151, 219) }
```

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

```
.background{ background-color: rgb(87, 151,  
219) }
```

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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