

# Converting Colors

XYZ(28.1811, 26.2999, 71.9977)

Have a look what the booklet for  
XYZ(28.1811, 26.2999, 71.9977)  
contains.

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# Color

**XYZ(28.1811, 26.2999,  
71.9977)**

# Conversions

## Conversions Part 1

Format	Color
Hex	6C89DD
RGB	108, 137, 221
RGB Percent	42%, 54%, 87%
CMY	0.5765, 0.4627, 0.1333
CMYK	0.51, 0.38, 0.00, 0.13
HSL	225°, 62%, 65%
HSV	225°, 51%, 87%
XYZ	28.1811, 26.2999, 71.9977
YIQ	137.9050, -44.2480, 19.9760

# Conversions

## Conversions Part 2

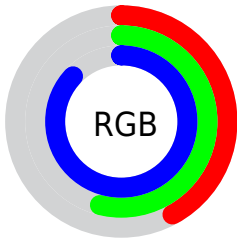
<b>Format</b>	<b>Color</b>
<b>RYB</b>	108, 131, 221
Decimal	7113181
CIELab	58.32, 13.06, -46.10
CIELCh	58, 47.916, 285.818
Yxy	26.2999, 0.2228, 0.2079
Android (android.graphics.Color)	4285303261 (0xFF6C89DD)
YUV	137.9050, 40.9658, -26.2267
Hunter-Lab	51.2834, 8.3427, -47.3399

# Details

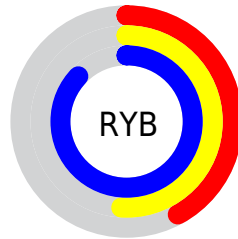
The XYZ color **28.1811, 26.2999, 71.9977** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **51.3765, 54.1560, 21.9340**, and the grayscale version is **23.9831, 25.2321, 27.4778**.

A 20% lighter version of the original color is **51.9805, 52.0462, 101.9140**, and **11.5002, 10.3244, 36.9840** is the 20% darker color. If you saturate the color by 10%, you get **23.6659, 20.7656, 71.1680**, and if you desaturate by 10%, it is **33.7351, 32.8983, 72.9791**.

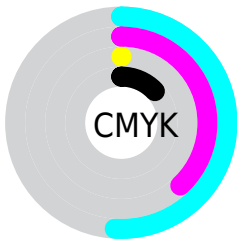
# Distribution



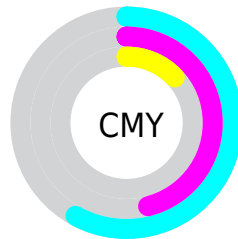
- Red (42%)
- Green (54%)
- Blue (87%)



- Red (42%)
- Yellow (51%)
- Blue (87%)



- Cyan (51%)
- Magenta (38%)
- Yellow (0%)
- Black (13%)



- Cyan (58%)
- Magenta (46%)
- Yellow (13%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 28.1811, 26.2999, 71.9977 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 28.1811, 26.2999, 71.9977 by changing the saturation by 10% instead.



■ 28.1811, 26.2999,  
71.9977

■ 28.1811, 26.2999,  
71.9977

285.3957,  
284.2512, 486.5109

■ 18.6034, 17.0481,  
52.6700

■ 56.1801, 53.7584,  
123.7610

■ 11.4863, 10.2688,  
37.1535

■ 75.3320, 72.7339,  
157.0336

■ 6.4646, 5.5776,  
25.0296

■ 98.4061, 95.7194,  
195.7915

■ 3.1729, 2.5900,  
15.8799

125.7676,  
123.0993, 240.4534

■ 1.2459, 0.9216,  
9.2858

157.7820,  
155.2581, 291.4378

■ 0.1421, 0.0000,  
4.8287

194.8146,

■ 0.0000, 0.0000,

192.5800, 349.1631

2.0901

237.2307,  
235.4496, 414.0480

■ 0.0000, 0.0000,  
0.6099

■ 0.0000, 0.0000,  
0.0000

■ 28.1811, 26.2999,  
71.9977

■ 28.1811, 26.2999,  
71.9977

■ 23.6659, 20.7656,  
71.1680

■ 33.7351, 32.8983,  
72.9791

■ 20.1178, 16.2337,  
70.4802

■ 40.3869, 40.6125,  
74.1175

■ 17.4605, 12.6394,  
69.9265

■ 48.1945, 49.4936,  
75.4202

■ 15.6033, 9.9082,  
69.4972

■ 57.2109, 59.5889,  
76.8936

■ 14.5002, 8.1185,  
69.2099

■ 67.4856, 70.9430,  
78.5436

■ 79.0653, 83.5980,  
80.3760

■ 89.1026, 96.1033,  
82.2607

■ 90.0512, 98.0005,  
82.5769

# Harmonies

## Analogous

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



22.3485, 26.2999, 72.4374



28.1811, 26.2999, 71.9977



33.9349, 26.2999, 57.3667

# Triad

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



28.1811, 26.2999, 71.9977



33.6581, 26.2999, 11.2243



15.6231, 26.2999, 21.4645

# Complementary

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



28.1811, 26.2999, 71.9977



51.3765, 54.1560, 21.9340

# 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.



17.7853, 26.2999, 11.5752



28.1811, 26.2999, 71.9977



27.8474, 26.2999, 7.4177

# Square

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



28.1811, 26.2999, 71.9977



37.4171, 26.2999, 20.7419



22.0627, 26.2999, 7.5146



15.6837, 26.2999, 38.3154



# Rectangle

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



28.1811, 26.2999, 71.9977



36.6896, 26.2999, 43.9143



22.0627, 26.2999, 7.5146



16.0974, 26.2999, 17.3895

# Sweetspot

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



28.1821, 26.3008, 71.9984



73.9415, 76.6343, 105.5025



41.4311, 58.6576, 58.3528



15.2599, 15.7684, 22.4893



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.



28.1821, 26.3008, 71.9984



32.5308, 28.4699, 98.3884



28.3050, 21.0455, 70.9775



12.6090, 13.1576, 16.5273



8.5009, 4.8713, 40.2306



0.6200, 0.4541, 2.6294



# Inverse Universe

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



39.6976, 27.9046, 26.9615



50.4317, 32.1440, 28.1134



50.9752, 64.3497, 23.9228



13.1925, 13.1061, 14.2749



17.7862, 9.1155, 3.2543

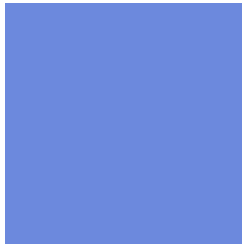


1.1872, 0.6045, 0.3949



# Previews

## White Background



This preview shows how the XYZ color 28.1811, 26.2999, 71.9977 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

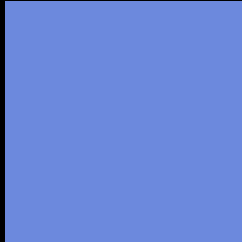
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 28.1811, 26.2999, 71.9977 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

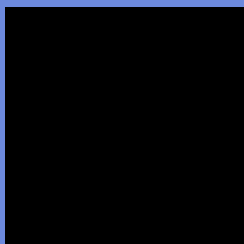
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**XYZ 28.1811, 26.2999, 71.9977**

## **Background**



This preview shows how black text looks on a background with the XYZ color 28.1811, 26.2999, 71.9977.



This preview shows how white text looks on a background with the XYZ color 28.1811, 26.2999,



# 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

28.1811, 26.2999, 71.9977

### Protanopia

28.1811, 26.2999, 71.9977

### Deuteranopia

27.1202, 26.4103, 71.3784



## Tritanopia

21.3003, 26.1919, 37.6511

# Trichromacy



## Original Color

28.1811, 26.2999, 71.9977

## Protanomaly

28.1811, 26.2999, 71.9977

## Deuteranomaly

27.4064, 26.3419, 71.3502

## Tritanomaly

23.4965, 26.1565, 48.6101

# Monochromacy



## Original Color

28.1811, 26.2999, 71.9977

## Achromatopsia

24.1572, 25.4152, 27.6772

## Achromatomaly

24.9088, 25.5161, 40.6581

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 28.1811, 26.2999, 71.9977 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(108, 137, 221)` looks like.

```
.text, #text, p{  
    color:rgb(108, 137, 221)  
}
```

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(108, 137, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(108, 137, 221) }
```

## Border

The CSS property to change the border of an element to XYZ 28.1811, 26.2999, 71.9977 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(108, 137, 221) }
```



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

```
.border{ border-color:rgb(108, 137, 221) }
```

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

Here you see how a box with a 4 pixel `rgb(108, 137, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(108, 137, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(108, 137, 221);  
box-shadow:4px 4px 4px 4px rgb(108, 137,  
221) }
```

# Background

The CSS property to change the background color of an element to XYZ 28.1811, 26.2999, 71.9977 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(108, 137, 221) }
```

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

```
.background{ background-color: rgb(108,  
137, 221) }
```

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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