

Converting Colors

XYZ(28.5704, 27.8155, 71.5603)

Have a look what the booklet for
XYZ(28.5704, 27.8155, 71.5603)
contains.

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Color

**XYZ(28.5664, 27.8155,
71.5735)**

Conversions

Conversions Part 1

Format	Color
Hex	698FDC
RGB	105, 143, 220
RGB Percent	41%, 56%, 86%
CMY	0.5882, 0.4392, 0.1373
CMYK	0.52, 0.35, 0.00, 0.14
HSL	220°, 62%, 64%
HSV	220°, 52%, 86%
XYZ	28.5664, 27.8155, 71.5735
YIQ	140.4160, -47.3650, 15.8910

Conversions

Conversions Part 2

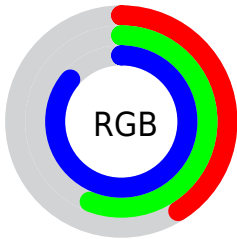
Format	Color
RYB	105, 134, 220
Decimal	6918108
CIELab	59.72, 8.53, -43.34
CIELCh	60, 44.175, 281.139
Yxy	27.8155, 0.2233, 0.2174
Android (android.graphics.Color)	4285108188 (0xFF698FDC)
YUV	140.4160, 39.2349, -31.0598
Hunter-Lab	52.7404, 4.3873, -43.5436

Details

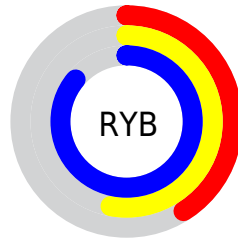
The XYZ color **28.5664, 27.8155, 71.5735** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **48.7942, 49.6932, 20.3860**, and the grayscale version is **24.9552, 26.2548, 28.5915**.

A 20% lighter version of the original color is **52.6902, 54.3812, 102.3273**, and **11.6539, 11.0445, 36.6395** is the 20% darker color. If you saturate the color by 10%, you get **24.2407, 22.5158, 70.7791**, and if you desaturate by 10%, it is **33.8529, 34.0425, 72.4974**.

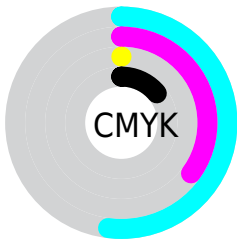
Distribution



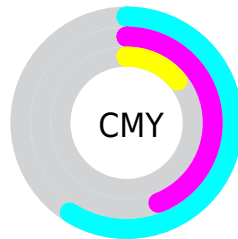
- Red (41%)
- Green (56%)
- Blue (86%)



- Red (41%)
- Yellow (53%)
- Blue (86%)



- Cyan (52%)
- Magenta (35%)
- Yellow (0%)
- Black (14%)



- Cyan (59%)
- Magenta (44%)
- Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.5664, 27.8155, 71.5735 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 28.5664, 27.8155, 71.5735 by changing the saturation by 10% instead.

■ 28.5664, 27.8155,
71.5735

■ 28.5664, 27.8155,
71.5735

287.1948,
291.5843, 484.9933

■ 18.8957, 18.1866,
52.3256

■ 56.7898, 56.1897,
123.1520

■ 11.6985, 11.0841,
36.8807

■ 76.0732, 75.7039,
156.3198

■ 6.6094, 6.1234,
24.8201

■ 99.2916, 99.2819,
194.9646

■ 3.2632, 2.9203,
15.7252

■ 126.8102,
127.3083, 239.5050

■ 1.2944, 1.0902,
9.1777

158.9945,
160.1673, 290.3595

■ 0.1791, 0.0000,
4.7589

196.2098,

■ 0.0000, 0.0000,

198.2433, 347.9467

2.0502

238.8214,
241.9209, 412.6852

■ 0.0000, 0.0000,
0.5859

■ 0.0000, 0.0000,
0.0000

■ 28.5664, 27.8155,
71.5735

■ 28.5664, 27.8155,
71.5735

■ 24.2407, 22.5158,
70.7791

■ 33.8529, 34.0425,
72.4974

■ 20.8088, 18.0908,
70.1059

■ 40.1547, 41.2393,
73.5543

■ 18.1991, 14.4865,
69.5477

■ 47.5257, 49.4491,
74.7505

■ 16.3261, 11.6395,
69.0969

■ 56.0150, 58.7115,
76.0909

■ 15.2808, 9.8922,
68.8147

■ 65.6686, 69.0638,
77.5803

■ 76.5296, 80.5414,
79.2232

■ 87.1499, 92.4104,
80.9544

■ 89.9184, 97.9474,
81.8773

Harmonies

Analogous

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



23.1172, 27.8155, 69.6892



28.5664, 27.8155, 71.5735



34.1477, 27.8155, 59.8412

Triad

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



28.5664, 27.8155, 71.5735



35.3744, 27.8155, 14.2287



17.5249, 27.8155, 21.3953

Complementary

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



28.5664, 27.8155, 71.5735



48.7942, 49.6932, 20.3860

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.



19.9856, 27.8155, 12.5319



28.5664, 27.8155, 71.5735



30.0621, 27.8155, 9.5146

Square

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



28.5664, 27.8155, 71.5735



38.4310, 27.8155, 24.7267



24.4177, 27.8155, 9.0280



17.2420, 27.8155, 36.6226

Rectangle

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



28.5664, 27.8155, 71.5735



36.9978, 27.8155, 47.6814



24.4177, 27.8155, 9.0280



18.1067, 27.8155, 17.7386

Sweetspot

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



28.5674, 27.8165, 71.5742



73.4958, 76.8578, 105.5691



39.8290, 57.5541, 53.0866



15.2035, 15.8752, 22.5129



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.



28.5674, 27.8165, 71.5742



33.2031, 30.6204, 98.7681



26.3074, 19.5693, 70.1014



12.6884, 13.3165, 16.5537



9.0594, 5.9882, 40.4168



0.6644, 0.5428, 2.6442

Inverse Universe

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



39.5256, 27.3032, 29.1743



50.5744, 31.4480, 31.1865



52.1865, 64.6015, 23.0848



13.2326, 13.1221, 14.4860



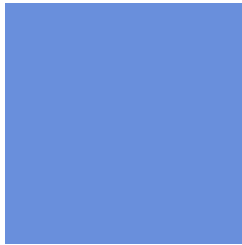
18.0681, 9.2283, 4.7386



1.2096, 0.6135, 0.5128

Previews

White Background



This preview shows how the XYZ color 28.5664, 27.8155, 71.5735 looks on a white background.

Color Contrast Check

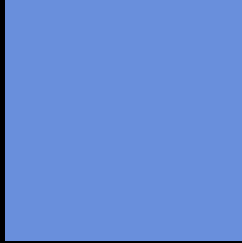
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.5664, 27.8155, 71.5735 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

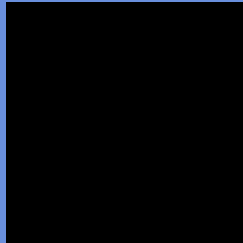
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 28.5664, 27.8155, 71.5735

Background



This preview shows how black text looks on a background with the XYZ color 28.5664, 27.8155, 71.5735.

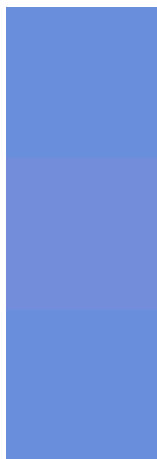


This preview shows how white text looks on a background with the XYZ color 28.5664, 27.8155,

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

28.5664, 27.8155, 71.5735

Protanopia

29.3822, 27.8247, 70.1518

Deuteranopia

28.5664, 27.8155, 71.5735



Tritanopia

22.3690, 27.8906, 40.2808

Trichromacy



Original Color

28.5664, 27.8155, 71.5735

Protanomaly

29.1413, 27.9052, 70.8682

Deuteranomaly

28.5664, 27.8155, 71.5735

Tritanomaly

24.3854, 27.7375, 50.5230

Monochromacy



Original Color

28.5664, 27.8155, 71.5735

Achromatopsia

24.9269, 26.2251, 28.5591

Achromatomaly

25.4387, 26.4264, 41.2961

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.5664, 27.8155, 71.5735 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(105, 143, 220)` looks like.

```
.text, #text, p{  
    color:rgb(105, 143, 220)  
}
```

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(105, 143, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(105, 143, 220) }
```

Border

The CSS property to change the border of an element to XYZ 28.5664, 27.8155, 71.5735 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(105, 143, 220) }
```


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

```
.border{ border-color:rgb(105, 143, 220) }
```

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

Here you see how a box with a 4 pixel `rgb(105, 143, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(105, 143, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(105, 143, 220);  
box-shadow:4px 4px 4px 4px rgb(105, 143,  
220) }
```

Background

The CSS property to change the background color of an element to XYZ 28.5664, 27.8155, 71.5735 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(105, 143, 220) }
```

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

```
.background{ background-color: rgb(105,  
143, 220) }
```

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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