

Converting Colors

XYZ(30.8488, 31.6703, 71.4045)

Have a look what the booklet for
XYZ(30.8488, 31.6703, 71.4045)
contains.

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Color

**XYZ(30.7722, 31.5407,
71.4839)**

Conversions

Conversions Part 1

Format	Color
Hex	6E9ADB
RGB	110, 154, 219
RGB Percent	43%, 60%, 86%
CMY	0.5686, 0.3961, 0.1412
CMYK	0.50, 0.30, 0.00, 0.14
HSL	216°, 60%, 65%
HSV	216°, 50%, 86%
XYZ	30.7722, 31.5407, 71.4839
YIQ	148.2540, -47.0890, 10.8870

Conversions

Conversions Part 2

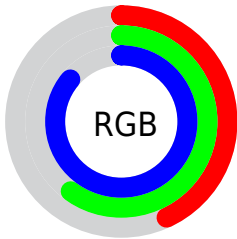
Format	Color
R_{YB}	110, 141, 219
Decimal	7248603
CIE _{Lab}	62.96, 2.98, -37.68
CIE _{LCh}	63, 37.802, 274.518
Yxy	31.5407, 0.2300, 0.2357
Android (android.graphics.Color)	4285438683 (0xFF6E9ADB)
YUV	148.2540, 34.8778, -33.5488
Hunter-Lab	56.1611, -0.4769, -36.1537

Details

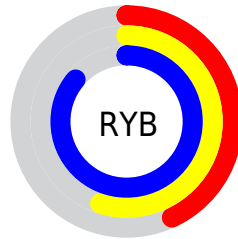
The XYZ color **30.7722, 31.5407, 71.4839** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **47.3591, 46.8474, 21.2996**, and the grayscale version is **28.1284, 29.5932, 32.2270**.

A 20% lighter version of the original color is **56.5422, 60.5472, 103.3144**, and **12.9163, 13.0846, 36.9668** is the 20% darker color. If you saturate the color by 10%, you get **26.3371, 26.2272, 70.6926**, and if you desaturate by 10%, it is **36.1173, 37.6727, 72.3864**.

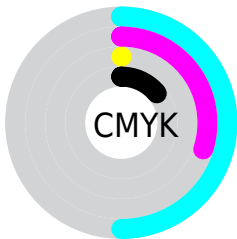
Distribution



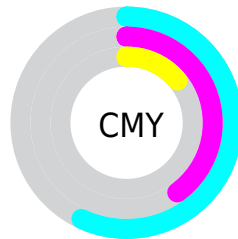
- Red (43%)
- Green (60%)
- Blue (86%)



- Red (43%)
- Yellow (55%)
- Blue (86%)



- Cyan (50%)
- Magenta (30%)
- Yellow (0%)
- Black (14%)



- Cyan (57%)
- Magenta (40%)
- Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.7722, 31.5407, 71.4839 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 30.7722, 31.5407, 71.4839 by changing the saturation by 10% instead.

■ 30.7722, 31.5407,
71.4839

■ 30.7722, 31.5407,
71.4839

297.3331,
309.0216, 484.6724

■ 20.5764, 21.0109,
52.2529

■ 60.2595, 62.0904,
123.0234

■ 12.9254, 13.1320,
36.8231

■ 80.2818, 82.8790,
156.1690

■ 7.4539, 7.5195,
24.7758

■ 104.3103,
107.8561, 194.7898

■ 3.7964, 3.7891,
15.6926

132.7103,
137.4060, 239.3045

■ 1.5876, 1.5563,
9.1549

165.8472,
171.9131, 290.1316

■ 0.3843, 0.3279,
4.7442

204.0865,

■ 0.0000, 0.0000,

211.7618, 347.6896

2.0419

247.7933,
257.3365, 412.3970

■ 0.0000, 0.0000,
0.5808

■ 0.0000, 0.0000,
0.0000

■ 30.7722, 31.5407,
71.4839

■ 30.7722, 31.5407,
71.4839

■ 26.3371, 26.2272,
70.6926

■ 36.1173, 37.6727,
72.3864

■ 22.7508, 21.6877,
70.0055

■ 42.4216, 44.6573,
73.4023

■ 19.9487, 17.8779,
69.4178

■ 49.7344, 52.5308,
74.5366

■ 17.8543, 14.7459,
68.9236

■ 58.1007, 61.3259,
75.7933

■ 16.3403, 12.2132,
68.5146

■ 67.5623, 71.0737,
77.1761

■ 16.3091, 12.1602,
68.5060

■ 78.1590, 81.8037,
78.6887

■ 86.8064, 91.9346,
80.1884

■ 89.7863, 97.8945,
81.1817

Harmonies

Analogous

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



25.8830, 31.5407, 67.1812



30.7722, 31.5407, 71.4839



36.0026, 31.5407, 63.7179

Triad

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



30.7722, 31.5407, 71.4839



38.9851, 31.5407, 20.5485



21.8351, 31.5407, 23.4463

Complementary

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



30.7722, 31.5407, 71.4839



47.3591, 46.8474, 21.2996

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.



24.6669, 31.5407, 15.7527



30.7722, 31.5407, 71.4839



34.4847, 31.5407, 14.4501

Square

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



30.7722, 31.5407, 71.4839



41.0797, 31.5407, 32.1380



29.1985, 31.5407, 12.9895



21.0824, 31.5407, 36.6455

Rectangle

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



30.7722, 31.5407, 71.4839



38.8703, 31.5407, 53.7680



29.1985, 31.5407, 12.9895



22.5580, 31.5407, 20.2697

Sweetspot

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



30.7733, 31.5418, 71.4847



75.5012, 79.7537, 106.0224



39.3624, 57.0187, 48.7642



15.6328, 16.5142, 22.6136



0.0000, 0.0000, 0.0000



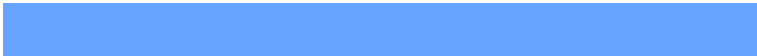
20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



30.7733, 31.5418, 71.4847



36.7621, 36.5100, 99.7173



25.9826, 20.1956, 69.5471



12.7680, 13.4757, 16.5803



9.7714, 7.4123, 40.6541



0.7161, 0.6464, 2.6615

Inverse Universe

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



40.6231, 28.5463, 33.9418



52.6706, 33.4344, 38.6860



54.7014, 65.4790, 24.5089



13.2728, 13.1382, 14.6976



18.4275, 9.3720, 6.6313



1.2358, 0.6239, 0.6505

Previews

White Background



This preview shows how the XYZ color 30.7722, 31.5407, 71.4839 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 30.7722, 31.5407, 71.4839 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

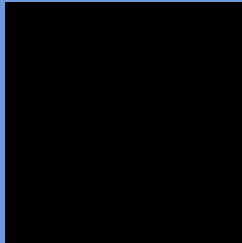
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

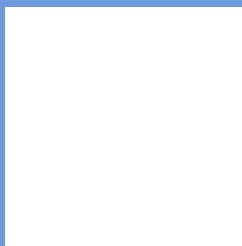
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 30.7722, 31.5407, 71.4839

Background



This preview shows how black text looks on a background with the XYZ color 30.7722, 31.5407, 71.4839.

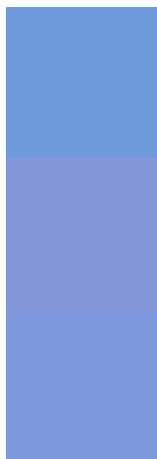


This preview shows how white text looks on a background with the XYZ color 30.7722, 31.5407,

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

30.7722, 31.5407, 71.4839

Protanopia

32.5322, 31.5443, 68.6640

Deuteranopia

32.4423, 31.6605, 72.1113



Tritanopia

25.4821, 31.4226, 45.2796

Trichromacy



Original Color

30.7722, 31.5407, 71.4839

Protanomaly

31.6297, 31.3020, 69.3406

Deuteranomaly

31.8922, 31.6168, 72.1319

Tritanomaly

27.1689, 31.3246, 53.9045

Monochromacy



Original Color

30.7722, 31.5407, 71.4839

Achromatopsia

28.1479, 29.6138, 32.2495

Achromatomaly

28.3778, 29.9370, 44.3271

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.7722, 31.5407, 71.4839 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(110, 154, 219)` looks like.

```
.text, #text, p{  
    color:rgb(110, 154, 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(110, 154, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(110, 154, 219) }
```

Border

The CSS property to change the border of an element to XYZ 30.7722, 31.5407, 71.4839 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(110, 154, 219) }
```


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

```
.border{ border-color:rgb(110, 154, 219) }
```

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

Here you see how a box with a 4 pixel `rgb(110, 154, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(110, 154, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(110, 154, 219);  
box-shadow:4px 4px 4px 4px rgb(110, 154,  
219) }
```

Background

The CSS property to change the background color of an element to XYZ 30.7722, 31.5407, 71.4839 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(110, 154, 219) }
```

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

```
.background{ background-color: rgb(110,  
154, 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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