

Converting Colors

XYZ(30.0211, 27.3882, 71.0707)

Have a look what the booklet for
XYZ(30.0211, 27.3882, 71.0707)
contains.

XYZ(30.1751, 27.5552, 71.4384) 3
***Conversions* 4**
***Details* 6**
***Harmonies* 12**
***Previews* 24**
***Color Blindness Simulation* 28**
***CSS Examples* 31**

Color

**XYZ(30.1751, 27.5552,
71.4384)**

Conversions

Conversions Part 1

Format	Color
Hex	7B8ADC
RGB	123, 138, 220
RGB Percent	48%, 54%, 86%
CMY	0.5176, 0.4588, 0.1373
CMYK	0.44, 0.37, 0.00, 0.14
HSL	231°, 58%, 67%
HSV	231°, 44%, 86%
XYZ	30.1751, 27.5552, 71.4384
YIQ	142.8630, -35.2620, 22.3220

Conversions

Conversions Part 2

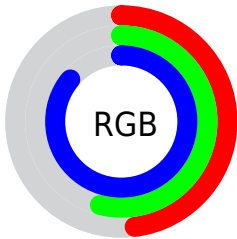
Format	Color
R_{YB}	123, 136, 220
Decimal	8096476
CIE _{Lab}	59.48, 15.73, -43.64
CIE _{LCh}	59, 46.390, 289.819
Yxy	27.5552, 0.2336, 0.2133
Android (android.graphics.Color)	4286286556 (0xFF7B8ADC)
YUV	142.8630, 38.0285, -17.4199
Hunter-Lab	52.4930, 10.7461, -43.9433

Details

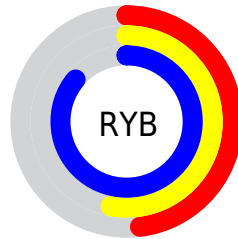
The XYZ color **30.1751, 27.5552, 71.4384** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **54.9228, 60.3099, 27.4865**, and the grayscale version is **25.9180, 27.2677, 29.6946**.

A 20% lighter version of the original color is **55.2712, 54.0653, 102.1303**, and **12.5053, 10.8531, 36.5577** is the 20% darker color. If you saturate the color by 10%, you get **24.9306, 21.2243, 70.4934**, and if you desaturate by 10%, it is **36.5857, 35.1665, 72.5702**.

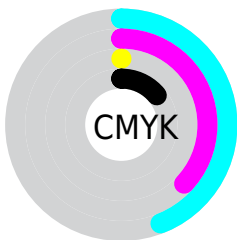
Distribution



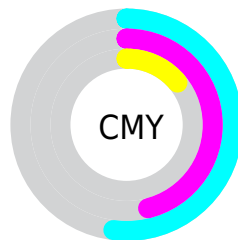
- Red (48%)
- Green (54%)
- Blue (86%)



- Red (48%)
- Yellow (53%)
- Blue (86%)



- Cyan (44%)
- Magenta (37%)
- Yellow (0%)
- Black (14%)



- Cyan (52%)
- Magenta (46%)
- Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.1751, 27.5552, 71.4384 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 30.1751, 27.5552, 71.4384 by changing the saturation by 10% instead.

■ 30.1751, 27.5552,
71.4384

■ 30.1751, 27.5552,
71.4384

294.6150,
290.3353, 484.5094

■ 20.1203, 17.9906,
52.2160

■ 59.3237, 55.7735,
122.9580

■ 12.5913, 10.9433,
36.7939

■ 79.1482, 75.1960,
156.0923

■ 7.2228, 6.0287,
24.7534

■ 102.9599, 98.6733,
194.7011

■ 3.6494, 2.8625,
15.6761

131.1243,
126.5898, 239.2027

■ 1.5057, 1.0604,
9.1434

164.0066,
159.3299, 290.0158

■ 0.3297, 0.0000,
4.7367

201.9723,

■ 0.0000, 0.0000,

197.2779, 347.5589

2.0376

245.3866,
240.8182, 412.2506

■ 0.0000, 0.0000,
0.5783

■ 0.0000, 0.0000,
0.0000

■ 30.1751, 27.5552,
71.4384

■ 30.1751, 27.5552,
71.4384

■ 24.9306, 21.2243,
70.4934

■ 36.5857, 35.1665,
72.5702

■ 20.7780, 16.0994,
69.7230

■ 44.2243, 44.1207,
73.8959

■ 17.6389, 12.1032,
69.1171

■ 53.1524, 54.4801,
75.4249

■ 15.4230, 9.1476,
68.6634

■ 63.4261, 66.3019,
77.1653

■ 14.0232, 7.1305,
68.3479

■ 75.0983, 79.6401,
79.1246

■ 13.4909, 6.3124,
68.2180

■ 88.2174, 94.5454,
81.3102

■ 89.9184, 97.9473,
81.8772

Harmonies

Analogous

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



24.2597, 27.5552, 73.9550



30.1751, 27.5552, 71.4384



35.7153, 27.5552, 55.8289

Triad

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



30.1751, 27.5552, 71.4384



34.1036, 27.5552, 11.5604



16.6392, 27.5552, 24.6816

Complementary

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



30.1751, 27.5552, 71.4384



54.9228, 60.3099, 27.4865

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.



18.5301, 27.5552, 13.6983



30.1751, 27.5552, 71.4384



28.2209, 27.5552, 8.2080

Square

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



30.1751, 27.5552, 71.4384



38.2062, 27.5552, 20.3869



22.5729, 27.5552, 8.8100



17.0018, 27.5552, 42.2481

Rectangle

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



30.1751, 27.5552, 71.4384



38.1750, 27.5552, 42.4882



22.5729, 27.5552, 8.8100



17.0200, 27.5552, 20.2398

Sweetspot

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



30.1761, 27.5562, 71.4391



75.5907, 77.6508, 105.6118



44.6416, 59.7497, 66.2028



15.5423, 15.8842, 22.4967



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.



30.1761, 27.5562, 71.4391



35.2626, 30.1777, 98.5741



33.5841, 26.3362, 71.0240



12.5004, 12.9406, 16.4911



7.9692, 3.8079, 40.0534



0.5682, 0.3505, 2.6122

Inverse Universe

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



41.1865, 31.2178, 27.9004



52.7274, 36.5725, 29.3810



49.8263, 63.2663, 28.3258



13.1377, 13.0842, 13.9864



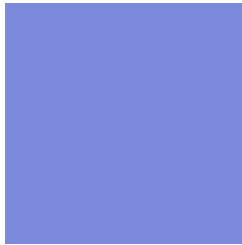
17.5178, 9.0082, 1.8410



1.1611, 0.5941, 0.2573

Previews

White Background



This preview shows how the XYZ color 30.1751, 27.5552, 71.4384 looks on a white background.

Color Contrast Check

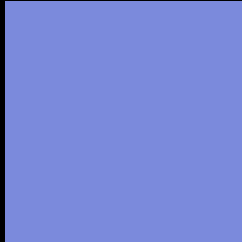
Large Text (above 18pt) WCAG AA ✓ Pass

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 30.1751, 27.5552, 71.4384 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 30.1751, 27.5552, 71.4384

Background



This preview shows how black text looks on a background with the XYZ color 30.1751, 27.5552, 71.4384.



This preview shows how white text looks on a background with the XYZ color 30.1751, 27.5552,

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

30.1751, 27.5552, 71.4384

Protanopia

29.3730, 27.5408, 72.8750

Deuteranopia

28.4343, 27.7627, 70.8779



Tritanopia

23.4913, 27.5471, 38.2614

Trichromacy



Original Color

30.1751, 27.5552, 71.4384

Protanomaly

29.6199, 27.4676, 72.1473

Deuteranomaly

28.9932, 27.6090, 70.8188

Tritanomaly

25.6362, 27.4874, 48.7542

Monochromacy



Original Color

30.1751, 27.5552, 71.4384

Achromatopsia

26.1081, 27.4677, 29.9124

Achromatomaly

27.0289, 27.2243, 42.3583

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.1751, 27.5552, 71.4384 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(123, 138, 220)` looks like.

```
.text, #text, p{  
    color:rgb(123, 138, 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(123, 138, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 138, 220) }
```

Border

The CSS property to change the border of an element to XYZ 30.1751, 27.5552, 71.4384 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(123, 138, 220) }
```


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

```
.border{ border-color:rgb(123, 138, 220) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 138, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 138, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 138, 220);  
box-shadow:4px 4px 4px 4px rgb(123, 138,  
220) }
```

Background

The CSS property to change the background color of an element to XYZ 30.1751, 27.5552, 71.4384 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 138, 220) }
```

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

```
.background{ background-color: rgb(123,  
138, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor