

Converting Colors

XYZ(30.4153, 27.6084, 71.4280)

Have a look what the booklet for
XYZ(30.4153, 27.6084, 71.4280)
contains.

XYZ(30.4642, 27.7042, 71.4520)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(30.4642, 27.7042,
71.4520)**

Conversions

Conversions Part 1

Format	Color
Hex	7D8ADC
RGB	125, 138, 220
RGB Percent	49%, 54%, 86%
CMY	0.5098, 0.4588, 0.1373
CMYK	0.43, 0.37, 0.00, 0.14
HSL	232°, 58%, 68%
HSV	232°, 43%, 86%
XYZ	30.4642, 27.7042, 71.4520
YIQ	143.4610, -34.0700, 22.7460

Conversions

Conversions Part 2

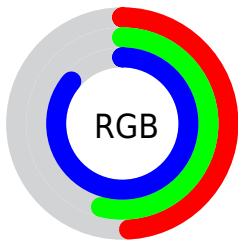
Format	Color
RYB	125, 136, 220
Decimal	8227548
CIELab	59.62, 16.23, -43.42
CIELCh	60, 46.353, 290.494
Yxy	27.7042, 0.2350, 0.2137
Android (android.graphics.Color)	4286417628 (0xFF7D8ADC)
YUV	143.4610, 37.7337, -16.1903
Hunter-Lab	52.6348, 11.2022, -43.6422

Details

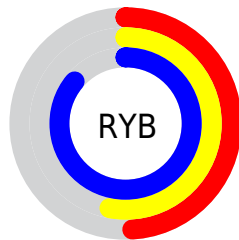
The XYZ color **30.4642, 27.7042, 71.4520** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **55.5310, 61.3237, 28.3134**, and the grayscale version is **26.1570, 27.5192, 29.9684**.

A 20% lighter version of the original color is **55.7369, 54.3054, 102.1521**, and **12.6448, 10.9250, 36.5642** is the 20% darker color. If you saturate the color by 10%, you get **25.1107, 21.2477, 70.4885**, and if you desaturate by 10%, it is **37.0074, 35.4821, 72.6089**.

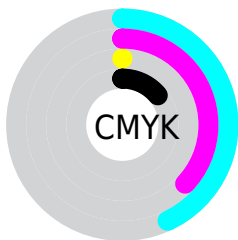
Distribution



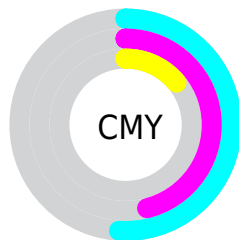
- Red (49%)
- Green (54%)
- Blue (86%)



- Red (49%)
- Yellow (53%)
- Blue (86%)



- Cyan (43%)
- Magenta (37%)
- Yellow (0%)
- Black (14%)



- Cyan (51%)
- Magenta (46%)
- Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.4642, 27.7042, 71.4520 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 30.4642, 27.7042, 71.4520 by changing the saturation by 10% instead.

■ 30.4642, 27.7042,
71.4520

■ 30.4642, 27.7042,
71.4520

295.9334,
291.0508, 484.5581

■ 20.3410, 18.1028,
52.2270

■ 59.7771, 56.0118,
122.9776

■ 12.7529, 11.0238,
36.8026

■ 79.6976, 75.4869,
156.1152

■ 7.3344, 6.0829,
24.7601

■ 103.6145, 99.0219,
194.7276

■ 3.7203, 2.8955,
15.6810

131.8932,
127.0013, 239.2331

■ 1.5451, 1.0774,
9.1468

164.8991,
159.8095, 290.0504

■ 0.3562, 0.0000,
4.7389

202.9975,

■ 0.0000, 0.0000,

197.8309, 347.5980

2.0389

246.5538,
241.4498, 412.2944

■ 0.0000, 0.0000,
0.5790

■ 0.0000, 0.0000,
0.0000

■ 30.4642, 27.7042,
71.4520

■ 30.4642, 27.7042,
71.4520

■ 25.1107, 21.2477,
70.4885

■ 37.0074, 35.4821,
72.6089

■ 20.8714, 16.0355,
69.7058

■ 44.8033, 44.6465,
73.9670

■ 17.6671, 11.9869,
69.0933

■ 53.9142, 55.2620,
75.5358

■ 15.4064, 9.0106,
68.6379

■ 64.3973, 67.3881,
77.3238

■ 13.9812, 7.0005,
68.3251

■ 76.3062, 81.0809,
79.3391

■ 13.3852, 6.1010,
68.1829

■ 88.9505, 96.0117,
81.5546

■ 89.9184, 97.9474,
81.8772

Harmonies

Analogous

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



24.5200, 27.7042, 74.3230



30.4642, 27.7042, 71.4520



35.9854, 27.7042, 55.6102

Triad

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



30.4642, 27.7042, 71.4520



34.1445, 27.7042, 11.5284



16.7337, 27.7042, 25.1577

Complementary

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



30.4642, 27.7042, 71.4520



55.5310, 61.3237, 28.3134

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.



18.5806, 27.7042, 13.9781



30.4642, 27.7042, 71.4520



28.2312, 27.7042, 8.2597

Square

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



30.4642, 27.7042, 71.4520



38.3188, 27.7042, 20.2449



22.5915, 27.7042, 8.9505



17.1486, 27.7042, 42.8896

Rectangle

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



30.4642, 27.7042, 71.4520



38.4040, 27.7042, 42.2335



22.5915, 27.7042, 8.9505



17.0989, 27.7042, 20.6473

Sweetspot

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



30.4652, 27.7052, 71.4527



75.4296, 77.3286, 105.5581



45.1619, 59.9913, 67.4335



15.5031, 15.8058, 22.4837



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.



30.4652, 27.7052, 71.4527



35.5904, 30.3020, 98.5808



34.4029, 27.1305, 71.1342



12.4816, 12.9030, 16.4848



7.9026, 3.6746, 40.0312



0.5593, 0.3328, 2.6092

Inverse Universe

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



41.4372, 31.7192, 27.9840



53.0225, 37.1870, 29.4045



49.7283, 63.2012, 28.9816



13.1282, 13.0804, 13.9365



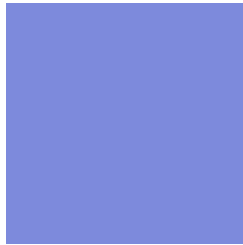
17.4842, 8.9947, 1.6639



1.1566, 0.5923, 0.2337

Previews

White Background



This preview shows how the XYZ color 30.4642, 27.7042, 71.4520 looks on a white background.

Color Contrast Check

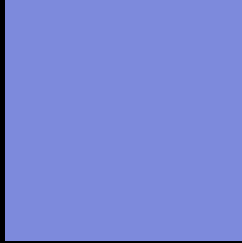
Large Text (above 18pt) WCAG AA ✓ Pass

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 30.4642, 27.7042, 71.4520 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

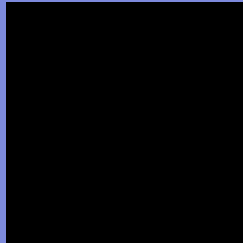
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 30.4642, 27.7042, 71.4520

Background



This preview shows how black text looks on a background with the XYZ color 30.4642, 27.7042, 71.4520.



This preview shows how white text looks on a background with the XYZ color 30.4642, 27.7042,

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

30.4642, 27.7042, 71.4520

Protanopia

29.6491, 27.9011, 72.9300

Deuteranopia

28.5525, 27.8236, 70.8834



Tritanopia

23.8583, 27.7363, 38.2786

Trichromacy



Original Color

30.4642, 27.7042, 71.4520

Protanomaly

29.9004, 27.8282, 72.2021

Deuteranomaly

29.1211, 27.6749, 70.8248

Tritanomaly

25.8964, 27.6215, 48.7663

Monochromacy



Original Color

30.4642, 27.7042, 71.4520

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 30.4642, 27.7042, 71.4520 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(125, 138, 220)` looks like.

```
.text, #text, p{  
    color:rgb(125, 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(125, 138, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(125, 138, 220) }
```

Border

The CSS property to change the border of an element to XYZ 30.4642, 27.7042, 71.4520 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(125, 138, 220) }
```


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

```
.border{ border-color:rgb(125, 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(125, 138, 220) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(125, 138, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(125, 138, 220);  
box-shadow:4px 4px 4px 4px rgb(125, 138,  
220) }
```

Background

The CSS property to change the background color of an element to XYZ 30.4642, 27.7042, 71.4520 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(125, 138, 220) }
```

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

```
.background{ background-color: rgb(125,  
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