

Converting Colors

XYZ(21.5971, 30.2358, 14.9236)

Have a look what the booklet for
XYZ(21.5971, 30.2358, 14.9236)
contains.

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Color

**XYZ(21.7111, 30.4118,
14.8510)**

Conversions

Conversions Part 1

Format	Color
Hex	70A35C
RGB	112, 163, 92
RGB Percent	44%, 64%, 36%
CMY	0.5608, 0.3608, 0.6392
CMYK	0.31, 0.00, 0.44, 0.36
HSL	103°, 28%, 50%
HSV	103°, 44%, 64%
XYZ	21.7111, 30.4118, 14.8510
YIQ	139.6570, -7.6050, -32.8930

Conversions

Conversions Part 2

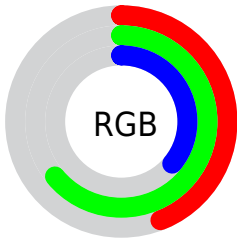
Format	Color
RYB	92, 163, 143
Decimal	7381852
CIELab	62.01, -30.60, 31.55
CIElCh	62, 43.946, 134.124
Yxy	30.4118, 0.3242, 0.4541
Android (android.graphics.Color)	4285571932 (0xFF70A35C)
YUV	139.6570, -23.4949, -24.2552
Hunter-Lab	55.1469, -26.2324, 22.6361

Details

The XYZ color **21.7111, 30.4118, 14.8510** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **21.7669, 16.1391, 36.6198**, and the grayscale version is **24.8852, 26.1811, 28.5113**.

A 20% lighter version of the original color is **45.7552, 60.2330, 35.2012**, and **8.0635, 12.5428, 4.3789** is the 20% darker color. If you saturate the color by 10%, you get **19.6798, 29.4392, 11.4283**, and if you desaturate by 10%, it is **24.0910, 31.5482, 19.0916**.

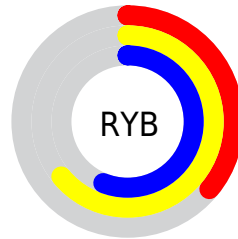
Distribution



Red (44%)

Green (64%)

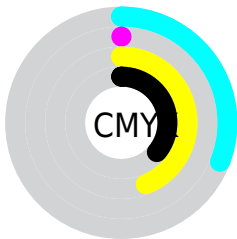
Blue (36%)



Red (36%)

Yellow (64%)

Blue (56%)

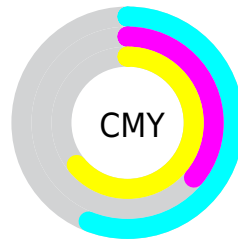


Cyan (31%)

Magenta (0%)

Yellow (44%)

Black (36%)



Cyan (56%)

Magenta (36%)

Yellow (64%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.7111, 30.4118, 14.8510 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 21.7111, 30.4118, 14.8510 by changing the saturation by 10% instead.

■ 21.7111, 30.4118,
14.8510

■ 21.7111, 30.4118,
14.8510

253.6947,
303.8193, 234.0722

■ 13.7602, 20.1514,
8.5694

■ 45.7505, 60.3128,
35.3302

■ 8.0346, 12.5051,
4.3685

■ 62.5696, 80.7222,
50.3649

■ 4.1691, 7.0887,
1.8296

■ 83.0756, 105.2833,
69.1543

■ 1.7982, 3.5176,
0.4474

■ 107.6337,
134.3806, 92.1171

■ 0.5166, 1.4076,
0.0000

136.6093,
168.3984, 119.6717

■ 0.0000, 0.2223,
0.0000

170.3677,

■ 0.0000, 0.0000,

207.7212, 152.2368

0.0000

209.2744,
252.7334, 190.2307

■ 21.7111, 30.4118,
14.8510

■ 21.7111, 30.4118,
14.8510

■ 19.6798, 29.4392,
11.4283

■ 24.0910, 31.5482,
19.0916

■ 17.9776, 28.6188,
8.7689

■ 26.8333, 32.8518,
24.1960

■ 16.5861, 27.9433,
6.8146


■ 29.9539, 34.3306,
30.2092


■ 15.4842, 27.4032,
5.4981


■ 33.4667, 35.9911,
37.1725


■ 14.6476, 26.9879,
4.7388


■ 37.3853, 37.8392,
45.1245

 14.2206, 26.7744,
4.4185

 41.7223, 39.8809,
54.1017

 46.4899, 42.1214,
64.1390

 51.6998, 44.5663,
75.2692

 57.3632, 47.2204,
87.5241

Harmonies

Analogous

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



26.2271, 30.4118, 10.5565



21.7111, 30.4118, 14.8510



19.3172, 30.4118, 25.0040

Triad

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



21.7111, 30.4118, 14.8510



25.9146, 30.4118, 75.1738



41.3484, 30.4118, 25.8074

Complementary

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



21.7111, 30.4118, 14.8510



21.7669, 16.1391, 36.6198

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.



41.2347, 30.4118, 42.8099



21.7111, 30.4118, 14.8510



31.7603, 30.4118, 75.6184

Square

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



21.7111, 30.4118, 14.8510



21.5092, 30.4118, 61.2419



37.5359, 30.4118, 62.3055



37.8283, 30.4118, 15.2660

Rectangle

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



21.7111, 30.4118, 14.8510



19.0108, 30.4118, 35.5028



37.5359, 30.4118, 62.3055



41.7474, 30.4118, 30.8335

Sweetspot

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



21.7119, 30.4131, 14.8517



53.8313, 61.5701, 54.4689



26.8422, 28.1704, 14.1484



11.8097, 13.6955, 11.6859



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

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



21.7119, 30.4131, 14.8517



35.4428, 52.8168, 20.7912



20.1858, 29.5406, 18.6545



7.1642, 7.9871, 7.5442



11.0911, 20.8281, 3.4357



0.2768, 0.4602, 0.0742

Inverse Universe

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



21.7669, 16.1391, 36.6198



35.5250, 23.9400, 64.8046



24.2475, 17.5676, 29.9723



7.1690, 7.1015, 8.8959



10.8944, 5.0227, 27.3251



0.2713, 0.1274, 0.5761

Previews

White Background



This preview shows how the XYZ color 21.7111, 30.4118, 14.8510 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 21.7111, 30.4118, 14.8510 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 21.7111, 30.4118, 14.8510

Background



This preview shows how black text looks on a background with the XYZ color 21.7111, 30.4118, 14.8510.



This preview shows how white text looks on a background with the XYZ color 21.7111, 30.4118,

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

21.7111, 30.4118, 14.8510

Protanopia

27.7776, 30.0755, 13.3579

Deuteranopia

30.8025, 30.2113, 15.5172



Tritanopia

26.8428, 30.1863, 40.9710

Trichromacy



Original Color

21.7111, 30.4118, 14.8510

Protanomaly

25.0358, 29.8522, 13.8937

Deuteranomaly

26.4895, 29.6075, 15.1451

Tritanomaly

24.5363, 30.0005, 29.3084

Monochromacy



Original Color

21.7111, 30.4118, 14.8510

Achromatopsia

24.9269, 26.2251, 28.5591

Achromatomaly

23.3710, 27.3557, 22.7873

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.7111, 30.4118, 14.8510 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(112, 163, 92)` looks like.

```
.text, #text, p{  
    color:rgb(112, 163, 92)  
}
```

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(112, 163, 92) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 163, 92) }
```

Border

The CSS property to change the border of an element to XYZ 21.7111, 30.4118, 14.8510 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(112, 163, 92) }
```


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

```
.border{ border-color:rgb(112, 163, 92) }
```

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

Here you see how a box with a 4 pixel `rgb(112, 163, 92)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 163, 92); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 163, 92);  
box-shadow:4px 4px 4px 4px rgb(112, 163,  
92) }
```

Background

The CSS property to change the background color of an element to XYZ 21.7111, 30.4118, 14.8510 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 163, 92) }
```

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

```
.background{ background-color: rgb(112,  
163, 92) }
```

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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