

# Converting Colors

XYZ(21.0530, 30.0403, 14.8416)

Have a look what the booklet for  
XYZ(21.0530, 30.0403, 14.8416)  
contains.

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# Color

**XYZ(21.0924, 30.0929,  
14.8220)**

# Conversions

## Conversions Part 1

Format	Color
Hex	6BA35C
RGB	107, 163, 92
RGB Percent	42%, 64%, 36%
CMY	0.5804, 0.3608, 0.6392
CMYK	0.34, 0.00, 0.44, 0.36
HSL	107°, 28%, 50%
HSV	107°, 44%, 64%
XYZ	21.0924, 30.0929, 14.8220
YIQ	138.1620, -10.5850, -33.9530

# Conversions

## Conversions Part 2

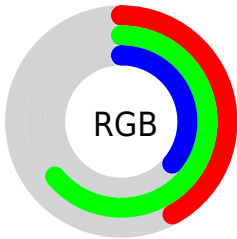
<b>Format</b>	<b>Color</b>
<b>RYB</b>	92, 163, 148
Decimal	7054172
CIELab	61.73, -32.35, 31.14
CIElCh	62, 44.901, 136.089
Yxy	30.0929, 0.3195, 0.4559
Android (android.graphics.Color)	4285244252 (0xFF6BA35C)
YUV	138.1620, -22.7579, -27.3291
Hunter-Lab	54.8570, -27.3669, 22.3801

# Details

The XYZ color **21.0924, 30.0929, 14.8220** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **22.6520, 16.5954, 36.6613**, and the grayscale version is **24.3071, 25.5730, 27.8490**.

A 20% lighter version of the original color is **44.7273, 59.7030, 35.1531**, and **7.7146, 12.3630, 4.3626** is the 20% darker color. If you saturate the color by 10%, you get **19.0228, 29.1006, 11.3975**, and if you desaturate by 10%, it is **23.5467, 31.2677, 19.0660**.

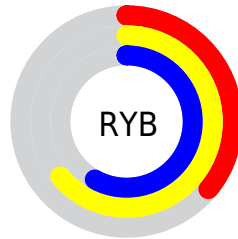
# Distribution



Red (42%)

Green (64%)

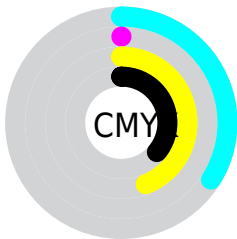
Blue (36%)



Red (36%)

Yellow (64%)

Blue (58%)

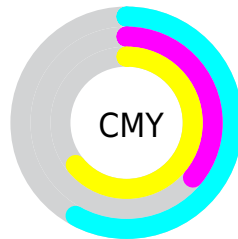


Cyan (34%)

Magenta (0%)

Yellow (44%)

Black (36%)



Cyan (58%)

Magenta (36%)

Yellow (64%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 21.0924, 30.0929, 14.8220 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 21.0924, 30.0929, 14.8220 by changing the saturation by 10% instead.



■ 21.0924, 30.0929,  
14.8220

■ 21.0924, 30.0929,  
14.8220

250.4916,  
302.3372, 233.8898

■ 13.3044, 19.9091,  
8.5493

■ 44.7314, 59.8091,  
35.2785

■ 7.7169, 12.3290,  
4.3556

■ 61.3131, 80.1102,  
50.2994

■ 3.9646, 6.9682,  
1.8224

■ 81.5567, 104.5526,  
69.0734

■ 1.6821, 3.4422,  
0.4427

■ 105.8277,  
133.5207, 92.0192

■ 0.4451, 1.3667,  
0.0000

134.4913,  
167.3988, 119.5551

■ 0.0000, 0.1920,  
0.0000

167.9129,

■ 0.0000, 0.0000,

206.5713, 152.0999

0.0000

206.4579,  
251.4227, 190.0719

■ 21.0924, 30.0929,  
14.8220

■ 21.0924, 30.0929,  
14.8220

■ 19.0228, 29.1006,  
11.3975

■ 23.5467, 31.2677,  
19.0660

■ 17.3157, 28.2776,  
8.7379

■ 26.4020, 32.6295,  
24.1757

■ 15.9497, 27.6152,  
6.7848


■ 29.6763, 34.1876,  
30.1962


■ 14.9005, 27.1023,  
5.4708


■ 33.3860, 35.9495,  
37.1686


■ 14.1398, 26.7261,  
4.7151

■ 37.5463, 37.9223,  
45.1319

 13.7719, 26.5431,  
4.3975

 42.1719, 40.1127,  
54.1227

 47.2768, 42.5271,  
64.1757

 52.8743, 45.1718,  
75.3241

 58.9773, 48.0526,  
87.5996

# Harmonies

## Analogous

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



25.5326, 30.0929, 10.2165



21.0924, 30.0929, 14.8220



18.8296, 30.0929, 25.4691

# Triad

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



21.0924, 30.0929, 14.8220



25.9259, 30.0929, 76.2545



41.1347, 30.0929, 24.4608

# Complementary

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



21.0924, 30.0929, 14.8220



22.6520, 16.5954, 36.6613

# 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.



41.2790, 30.0929, 41.3385



21.0924, 30.0929, 14.8220



31.9088, 30.0929, 75.6872

# Square

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



21.0924, 30.0929, 14.8220



21.3456, 30.0929, 62.6777



37.7119, 30.0929, 61.3240



37.3416, 30.0929, 14.3067



# Rectangle

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



21.0924, 30.0929, 14.8220



18.6242, 30.0929, 36.3846



37.7119, 30.0929, 61.3240



41.6278, 30.0929, 29.3957

# Sweetspot

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



21.0932, 30.0942, 14.8227



53.3442, 61.3190, 54.4461



27.5672, 29.6203, 14.3900



11.6856, 13.6316, 11.6801



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.



21.0932, 30.0942, 14.8227



34.2685, 52.2115, 20.7362



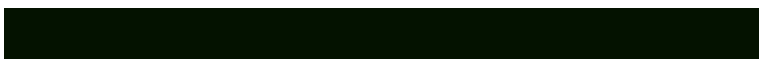
20.4429, 29.6435, 20.0083



7.1189, 7.9638, 7.5420



10.7352, 20.6447, 3.4190



0.2611, 0.4521, 0.0735



# Inverse Universe

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



22.6520, 16.5954, 36.6613



37.3887, 24.9008, 64.8919



23.8816, 17.4212, 28.0454



7.2172, 7.1263, 8.8982



12.1615, 5.6760, 27.3844



0.2903, 0.1372, 0.5770



# Previews

## White Background



This preview shows how the XYZ color 21.0924, 30.0929, 14.8220 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 21.0924, 30.0929, 14.8220 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 21.0924, 30.0929, 14.8220**

## **Background**



This preview shows how black text looks on a background with the XYZ color 21.0924, 30.0929, 14.8220.



This preview shows how white text looks on a background with the XYZ color 21.0924, 30.0929,



# 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

21.0924, 30.0929, 14.8220

### Protanopia

27.5720, 29.9695, 13.3483

### Deuteranopia

30.1908, 29.6740, 15.4457



## Tritanopia

26.2764, 29.8943, 40.9445

# Trichromacy



## Original Color

21.0924, 30.0929, 14.8220

## Protanomaly

24.6865, 29.6721, 13.8774

## Deuteranomaly

25.9208, 29.3143, 15.1185

## Tritanomaly

23.8608, 29.6522, 29.2768

# Monochromacy



## Original Color

21.0924, 30.0929, 14.8220

## Achromatopsia

24.1572, 25.4152, 27.6772

## Achromatomaly

22.6373, 26.7599, 22.0612

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 21.0924, 30.0929, 14.8220 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(107, 163, 92)` looks like.

```
.text, #text, p{  
    color:rgb(107, 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(107, 163, 92) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 163, 92) }
```

## Border

The CSS property to change the border of an element to XYZ 21.0924, 30.0929, 14.8220 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(107, 163, 92) }
```



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

```
.border{ border-color:rgb(107, 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(107, 163, 92)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(107, 163, 92); -webkit-box-  
shadow:4px 4px 4px 4px rgb(107, 163, 92);  
box-shadow:4px 4px 4px 4px rgb(107, 163,  
92) }
```

# Background

The CSS property to change the background color of an element to XYZ 21.0924, 30.0929, 14.8220 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 163, 92) }
```

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

```
.background{ background-color: rgb(107,  
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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