

Converting Colors

XYZ(30.4469, 51.3636, 14.7043)

Have a look what the booklet for
XYZ(30.4469, 51.3636, 14.7043)
contains.

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Color

**XYZ(30.4282, 51.2402,
14.7652)**

Conversions

Conversions Part 1

Format	Color
Hex	63D64A
RGB	99, 214, 74
RGB Percent	39%, 84%, 29%
CMY	0.6118, 0.1608, 0.7098
CMYK	0.54, 0.00, 0.65, 0.16
HSL	109°, 63%, 56%
HSV	109°, 65%, 84%
XYZ	30.4282, 51.2402, 14.7652
YIQ	163.6550, -23.6000, -67.9200

Conversions

Conversions Part 2

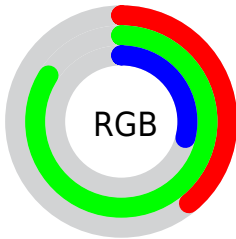
Format	Color
RYB	74, 214, 189
Decimal	6542922
CIELab	76.82, -58.06, 57.29
CIElCh	77, 81.567, 135.383
Yxy	51.2402, 0.3155, 0.5314
Android (android.graphics.Color)	4284733002 (0xFF63D64A)
YUV	163.6550, -44.1999, -56.7024
Hunter-Lab	71.5823, -49.3921, 37.8779

Details

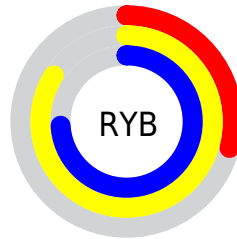
The XYZ color **30.4282, 51.2402, 14.7652** is a dark color, and the websafe version is hex **66CC33**. The color can be described as dark muted chartreuse. A complement of this color would be **35.5756, 20.5733, 65.7171**, and the grayscale version is **35.3352, 37.1754, 40.4840**.

A 20% lighter version of the original color is **53.9544, 80.4494, 33.1067**, and **12.7227, 24.7043, 4.3276** is the 20% darker color. If you saturate the color by 10%, you get **28.1107, 50.1166, 11.5125**, and if you desaturate by 10%, it is **33.4114, 52.6817, 19.3309**.

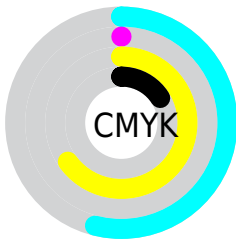
Distribution



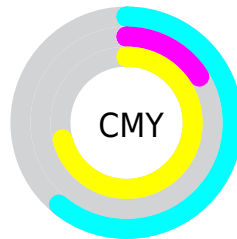
- Red (39%)
- Green (84%)
- Blue (29%)



- Red (29%)
- Yellow (84%)
- Blue (74%)



- Cyan (54%)
- Magenta (0%)
- Yellow (65%)
- Black (16%)





- Cyan (61%)
- Magenta (16%)
- Yellow (71%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 30.4282, 51.2402, 14.7652 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 30.4282, 51.2402, 14.7652 by changing the saturation by 10% instead.


 30.4282, 51.2402,
14.7652


 30.4282, 51.2402,
14.7652


295.7695,
391.4963, 233.5322

 20.3135, 36.3998,
8.5100


 59.7207, 92.0097,
35.1772


 12.7327, 24.7431,
4.3305


 79.6292, 118.7077,
50.1711


 7.3205, 15.8858,
1.8084


 103.5330,
150.1269, 68.9149

 3.7114, 9.4434,
0.4335

 131.7975,
186.6518, 91.8272

 1.5402, 5.0315,
0.0000

 164.7881,
228.6668, 119.3265

 0.3530, 2.2657,
0.0000

202.8700,

 0.0000, 0.7555,

276.5563, 151.8315

0.0000

246.4087,
330.7047, 189.7605

■ 0.0000, 0.0000,
0.0000

■ 30.4282, 51.2402,
14.7652

■ 30.4282, 51.2402,
14.7652

■ 28.1107, 50.1166,
11.5125

■ 33.4114, 52.6817,
19.3309

■ 26.4017, 49.2799,
9.4309

■ 37.1040, 54.4564,
25.3252

■ 25.2399, 48.7036,
8.3520

■ 41.5501, 56.5864,
32.8553

■ 24.8547, 48.5113,
8.0536

■ 46.7890, 59.0898,
42.0168

■ 52.8574, 61.9836,
52.8978

■ 59.7895, 65.2838,
65.5799

■ 67.6178, 69.0052,
80.1397

■ 76.3728, 73.1622,
96.6491

■ 83.3376, 76.5752,
104.9959

Harmonies

Analogous

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



41.2208, 51.2402, 7.3400



30.4282, 51.2402, 14.7652



25.1922, 51.2402, 36.9143

Triad

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



30.4282, 51.2402, 14.7652



41.5655, 51.2402, 185.7341



83.4359, 51.2402, 36.0851

Complementary

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



30.4282, 51.2402, 14.7652



35.5756, 20.5733, 65.7171

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.



83.5834, 51.2402, 80.2072



30.4282, 51.2402, 14.7652



57.0383, 51.2402, 185.0776

Square

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



30.4282, 51.2402, 14.7652



30.6342, 51.2402, 141.2047



73.1297, 51.2402, 139.7141



72.7615, 51.2402, 14.4357

Rectangle

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



30.4282, 51.2402, 14.7652



24.6594, 51.2402, 64.1825



73.1297, 51.2402, 139.7141



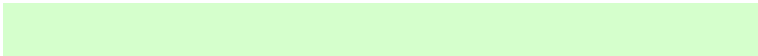
84.7828, 51.2402, 48.1664

Sweetspot

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



30.4294, 51.2424, 14.7663



74.1303, 90.0416, 70.5994



47.0244, 50.9021, 13.8260



15.3279, 19.0155, 14.1473



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.



30.4294, 51.2424, 14.7663



40.5850, 73.9317, 15.5661



30.1621, 50.8673, 25.4736



12.4671, 14.0015, 13.2062



15.0848, 29.3528, 4.8706



0.9735, 1.8033, 0.2968

Inverse Universe

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



35.5756, 20.5733, 65.7171



48.5716, 24.8818, 96.8504



37.4064, 22.0848, 40.1585



12.7254, 12.5154, 15.6825



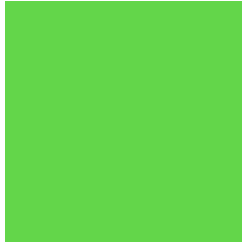
18.2100, 8.5401, 39.1418



1.1565, 0.5451, 2.3636

Previews

White Background



This preview shows how the XYZ color 30.4282, 51.2402, 14.7652 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 30.4282, 51.2402, 14.7652 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

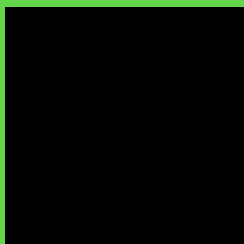
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 30.4282, 51.2402, 14.7652

Background



This preview shows how black text looks on a background with the XYZ color 30.4282, 51.2402, 14.7652.

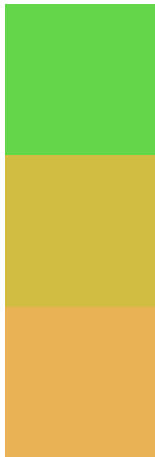


This preview shows how white text looks on a background with the XYZ color 30.4282, 51.2402,

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

30.4282, 51.2402, 14.7652

Protanopia

45.7891, 50.5021, 12.6447

Deuteranopia

51.3641, 50.2197, 15.5805



Tritanopia

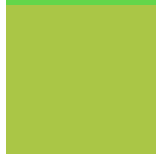
41.8013, 50.7784, 72.5638

Trichromacy



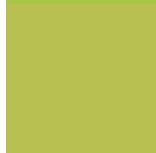
Original Color

30.4282, 51.2402, 14.7652



Protanomaly

37.8771, 49.3764, 13.3286



Deuteranomaly

40.1020, 48.4837, 15.0293



Tritanomaly

35.8683, 50.1249, 42.9066

Monochromacy



Original Color

30.4282, 51.2402, 14.7652



Achromatopsia

35.2861, 37.1238, 40.4278



Achromatomaly

31.6399, 40.6700, 27.6552

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.4282, 51.2402, 14.7652 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(99, 214, 74)` looks like.

```
.text, #text, p{  
    color:rgb(99, 214, 74)  
}
```

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(99, 214, 74) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 214, 74) }
```

Border

The CSS property to change the border of an element to XYZ 30.4282, 51.2402, 14.7652 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(99, 214, 74) }
```


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

```
.border{ border-color:rgb(99, 214, 74) }
```

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

Here you see how a box with a 4 pixel `rgb(99, 214, 74)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 214, 74); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 214, 74);  
box-shadow:4px 4px 4px 4px rgb(99, 214,  
74) }
```

Background

The CSS property to change the background color of an element to XYZ 30.4282, 51.2402, 14.7652 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 214, 74) }
```

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

```
.background{ background-color: rgb(99, 214,  
74) }
```

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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