

# Converting Colors

XYZ(30.5594, 46.6955, 22.5504)

Have a look what the booklet for  
XYZ(30.5594, 46.6955, 22.5504)  
contains.

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# Color

**XYZ(30.5453, 46.7683,  
22.4562)**

# Conversions

## Conversions Part 1

Format	Color
Hex	6FCA6F
RGB	111, 202, 111
RGB Percent	44%, 79%, 44%
CMY	0.5647, 0.2078, 0.5647
CMYK	0.45, 0.00, 0.45, 0.21
HSL	120°, 46%, 61%
HSV	120°, 45%, 79%
XYZ	30.5453, 46.7683, 22.4562
YIQ	164.4170, -25.0250, -47.5930

# Conversions

## Conversions Part 2

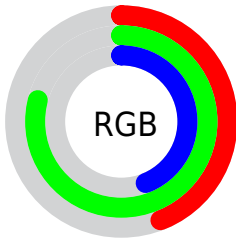
<b>Format</b>	<b>Color</b>
<b>RYB</b>	111, 202, 202
Decimal	7326319
CIELab	74.04, -45.63, 37.08
CIELCh	74, 58.793, 140.901
Yxy	46.7683, 0.3062, 0.4688
Android (android.graphics.Color)	4285516399 (0xFF6FCA6F)
YUV	164.4170, -26.3346, -46.8467
Hunter-Lab	68.3874, -39.9506, 28.4022

# Details

The XYZ color **30.5453, 46.7683, 22.4562** is a dark color, and the websafe version is hex **66CC66**. A complement of this color would be **40.7036, 28.1905, 59.1743**, and the grayscale version is **35.6166, 37.4714, 40.8064**.

A 20% lighter version of the original color is **58.3972, 82.4158, 47.9520**, and **12.7973, 21.9886, 7.9846** is the 20% darker color. If you saturate the color by 10%, you get **27.2960, 45.2089, 17.1405**, and if you desaturate by 10%, it is **34.6232, 48.7285, 29.1254**.

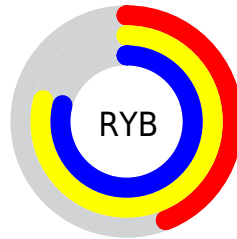
# Distribution



Red (44%)

Green (79%)

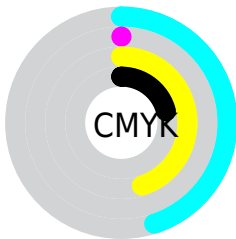
Blue (44%)



Red (44%)

Yellow (79%)

Blue (79%)

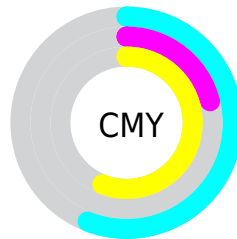


Cyan (45%)

Magenta (0%)

Yellow (45%)

Black (21%)



Cyan (56%)

Magenta (21%)

Yellow (56%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 30.5453, 46.7683, 22.4562 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 30.5453, 46.7683, 22.4562 by changing the saturation by 10% instead.



■ 30.5453, 46.7683,  
22.4562

■ 30.5453, 46.7683,  
22.4562

296.3024,  
373.8889, 277.9503

■ 20.4030, 32.8525,  
13.9910

■ 59.9042, 85.3677,  
48.4107

■ 12.7983, 22.0135,  
7.9757

■ 79.8515, 110.8200,  
66.7370

■ 7.3658, 13.8668,  
3.9919

■ 103.7978,  
140.8867, 89.1874

■ 3.7403, 8.0281,  
1.6209

■ 132.1085,  
175.9522, 116.1805

■ 1.5563, 4.1129,  
0.3057

165.1490,  
216.4007, 148.1348

■ 0.3636, 1.7369,  
0.0000

203.2846,

■ 0.0000, 0.4474,

262.6167, 185.4689

0.0000

246.8806,  
314.9847, 228.6012

■ 0.0000, 0.0000,  
0.0000

■ 30.5453, 46.7683,  
22.4562

■ 30.5453, 46.7683,  
22.4562

■ 27.2960, 45.2089,  
17.1405

■ 34.6232, 48.7285,  
29.1254

■ 24.8154, 44.0173,  
13.0829

■ 39.5772, 51.1082,  
37.2287

■ 23.0411, 43.1651,  
10.1807


■ 45.4557, 53.9319,  
46.8439


■ 21.8997, 42.6168,  
8.3135


■ 52.3022, 57.2206,  
58.0425


■ 21.3014, 42.3294,  
7.3349

■ 60.1575, 60.9940,  
70.8912

 21.1215, 42.2430,  
7.0406

 69.0603, 65.2704,  
85.4532

 79.0471, 70.0676,  
101.7881

 80.4115, 70.7230,  
104.0205

# Harmonies

## Analogous

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



37.6275, 46.7683, 13.7412



30.5453, 46.7683, 22.4562



27.3396, 46.7683, 42.3102

# Triad

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



30.5453, 46.7683, 22.4562



41.3330, 46.7683, 132.0754



66.1208, 46.7683, 32.9459

# Complementary

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



30.5453, 46.7683, 22.4562



40.7036, 28.1905, 59.1743

# 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.



67.5315, 46.7683, 60.6313



30.5453, 46.7683, 22.4562



52.0552, 46.7683, 126.3483

# Square

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



30.5453, 46.7683, 22.4562



32.8899, 46.7683, 110.3102



62.0445, 46.7683, 96.8187



58.4482, 46.7683, 17.9270

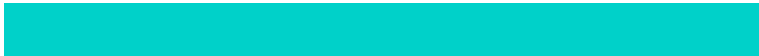


# Rectangle

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



30.5453, 46.7683, 22.4562



27.4194, 46.7683, 62.6658



62.0445, 46.7683, 96.8187



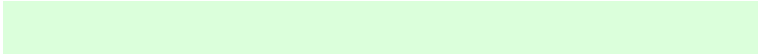
67.3859, 46.7683, 40.7467

# Sweetspot

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



30.5465, 46.7703, 22.4572



77.8896, 91.7570, 80.8313



48.3490, 55.9478, 23.2898



16.1696, 19.3987, 16.4802



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.



30.5465, 46.7703, 22.4572



46.3652, 76.6142, 29.2676



33.7205, 48.0399, 39.1713



11.0681, 12.5370, 11.9160



13.5908, 27.1816, 4.5304



0.7011, 1.4023, 0.2337



# Inverse Universe

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



40.7036, 28.1905, 59.1743



65.6858, 41.2724, 99.1094



36.0861, 26.3434, 34.8588



11.6876, 11.4038, 14.1555



22.5332, 10.8239, 36.8560



1.1625, 0.5584, 1.9014



# Previews

## White Background



This preview shows how the XYZ color 30.5453, 46.7683, 22.4562 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 30.5453, 46.7683, 22.4562 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 30.5453, 46.7683, 22.4562**

## **Background**



This preview shows how black text looks on a background with the XYZ color 30.5453, 46.7683, 22.4562.



This preview shows how white text looks on a background with the XYZ color 30.5453, 46.7683,



# 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

30.5453, 46.7683, 22.4562

### Protanopia

42.5252, 46.1691, 19.5022

### Deuteranopia

47.1270, 46.1006, 23.5540



## Tritanopia

39.1315, 46.5431, 65.3138

# Trichromacy



## Original Color

30.5453, 46.7683, 22.4562



## Protanomaly

36.7355, 45.6513, 20.5111



## Deuteranomaly

38.8254, 45.1025, 22.8790



## Tritanomaly

35.1780, 46.2556, 45.6022

# Monochromacy



## Original Color

30.5453, 46.7683, 22.4562



## Achromatopsia

35.2861, 37.1238, 40.4278



## Achromatomaly

32.7083, 39.9049, 32.7666

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 30.5453, 46.7683, 22.4562 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(111, 202, 111)` looks like.

```
.text, #text, p{  
    color:rgb(111, 202, 111)  
}
```

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(111, 202, 111) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(111, 202, 111) }
```

## Border

The CSS property to change the border of an element to XYZ 30.5453, 46.7683, 22.4562 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(111, 202, 111) }
```



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

```
.border{ border-color:rgb(111, 202, 111) }
```

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

Here you see how a box with a 4 pixel `rgb(111, 202, 111)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(111, 202, 111); -webkit-box-  
shadow:4px 4px 4px 4px rgb(111, 202, 111);  
box-shadow:4px 4px 4px 4px rgb(111, 202,  
111) }
```

# Background

The CSS property to change the background color of an element to XYZ 30.5453, 46.7683, 22.4562 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(111, 202, 111) }
```

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

```
.background{ background-color: rgb(111,  
202, 111) }
```

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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