

Converting Colors

XYZ(30.0433, 41.4386, 21.4474)

Have a look what the booklet for
XYZ(30.0433, 41.4386, 21.4474)
contains.

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Color

**XYZ(30.1553, 41.5939,
21.4780)**

Conversions

Conversions Part 1

Format	Color
Hex	84BB6F
RGB	132, 187, 111
RGB Percent	52%, 73%, 44%
CMY	0.4824, 0.2667, 0.5647
CMYK	0.29, 0.00, 0.41, 0.27
HSL	103°, 36%, 58%
HSV	103°, 41%, 73%
XYZ	30.1553, 41.5939, 21.4780
YIQ	161.8910, -8.3840, -35.2960

Conversions

Conversions Part 2

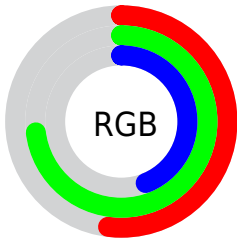
Format	Color
RYB	111, 187, 166
Decimal	8698735
CIELab	70.59, -32.21, 32.87
CIElCh	71, 46.023, 134.423
Yxy	41.5939, 0.3235, 0.4462
Android (android.graphics.Color)	4286888815 (0xFF84BB6F)
YUV	161.8910, -25.0893, -26.2144
Hunter-Lab	64.4933, -29.4017, 25.4002

Details

The XYZ color **30.1553, 41.5939, 21.4780** is a dark color, and the websafe version is hex **99CC66**. A complement of this color would be **30.3818, 23.0650, 49.8667**, and the grayscale version is **34.4091, 36.2011, 39.4229**.

A 20% lighter version of the original color is **59.2449, 77.3463, 46.9288**, and **12.5653, 18.8283, 7.5294** is the 20% darker color. If you saturate the color by 10%, you get **27.2509, 40.2047, 16.5185**, and if you desaturate by 10%, it is **33.5519, 43.2145, 27.5874**.

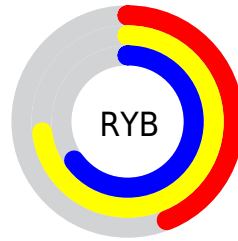
Distribution



Red (52%)

Green (73%)

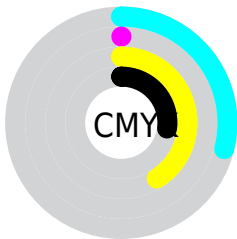
Blue (44%)



Red (44%)

Yellow (73%)

Blue (65%)

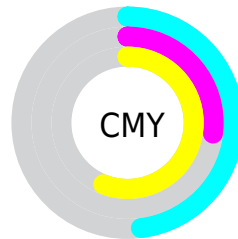


Cyan (29%)

Magenta (0%)

Yellow (41%)

Black (27%)



Cyan (48%)

Magenta (27%)

Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.1553, 41.5939, 21.4780 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 30.1553, 41.5939, 21.4780 by changing the saturation by 10% instead.

■ 30.1553, 41.5939,
21.4780

■ 30.1553, 41.5939,
21.4780

294.5245,
352.7967, 272.6720

■ 20.1052, 28.7834,
13.2792

■ 59.2926, 77.5846,
46.7728

■ 12.5802, 18.9171,
7.4881

■ 79.1105, 101.5337,
64.7059

■ 7.2151, 11.6104,
3.6862

■ 102.9151,
129.9644, 86.7208

■ 3.6445, 6.4790,
1.4548

■ 131.0716,
163.2612, 113.2361

■ 1.5031, 3.1384,
0.1839

163.9454,
201.8084, 144.6703

■ 0.3279, 1.2044,
0.0000

201.9019,

■ 0.0000, 0.0653,

245.9905, 181.4420

0.0000

245.3065,
296.1918, 223.9697

■ 0.0000, 0.0000,
0.0000

■ 30.1553, 41.5939,
21.4780

■ 30.1553, 41.5939,
21.4780

■ 27.2509, 40.2047,
16.5185

■ 33.5519, 43.2145,
27.5874

■ 24.8117, 39.0306,
12.6343

■ 37.4600, 45.0711,
34.9097

■ 22.8123, 38.0618,
9.7463


■ 41.9014, 47.1751,
43.5066


■ 21.2236, 37.2850,
7.7633


■ 46.8959, 49.5353,
53.4347

■ 20.0123, 36.6856,
6.5773


■ 52.4620, 52.1601,
64.7472

 19.1703, 36.2636,
5.9892

 58.6175, 55.0576,
77.4944

 65.3794, 58.2356,
91.7243

 71.8482, 61.3350,
102.6598

 76.6225, 63.7962,
102.8832

Harmonies

Analogous

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



36.0018, 41.5939, 15.6302



30.1553, 41.5939, 21.4780



27.0533, 41.5939, 34.9468

Triad

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



30.1553, 41.5939, 21.4780



35.7351, 41.5939, 98.8010



55.4564, 41.5939, 35.6368

Complementary

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



30.1553, 41.5939, 21.4780



30.3818, 23.0650, 49.8667

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.



55.3609, 41.5939, 57.4927



30.1553, 41.5939, 21.4780



43.2895, 41.5939, 99.1687

Square

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



30.1553, 41.5939, 21.4780



29.9817, 41.5939, 81.3863



50.6793, 41.5939, 82.2712



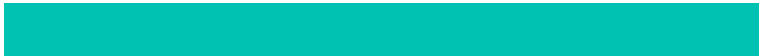
50.9255, 41.5939, 21.8428

Rectangle

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



30.1553, 41.5939, 21.4780



26.6718, 41.5939, 48.5961



50.6793, 41.5939, 82.2712



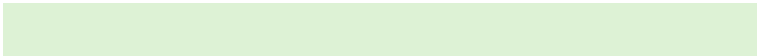
55.9810, 41.5939, 42.1348

Sweetspot

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



30.1563, 41.5957, 21.4789



73.7430, 83.8718, 75.3729



36.9040, 38.7933, 20.5823



16.0024, 18.3578, 16.1358



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

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



30.1563, 41.5957, 21.4789



49.2130, 72.1992, 30.2611



28.1884, 40.4666, 26.5645



9.6496, 10.7738, 10.1476



13.2690, 25.0163, 4.1293



0.5854, 1.0138, 0.1648

Inverse Universe

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



30.3818, 23.0650, 49.8667



49.6388, 34.3496, 88.2153



33.4858, 24.8573, 41.3301



9.6660, 9.5602, 12.0081



13.1742, 6.0776, 32.8716



0.5762, 0.2691, 1.2904

Previews

White Background



This preview shows how the XYZ color 30.1553, 41.5939, 21.4780 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 30.1553, 41.5939, 21.4780 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 30.1553, 41.5939, 21.4780

Background



This preview shows how black text looks on a background with the XYZ color 30.1553, 41.5939, 21.4780.



This preview shows how white text looks on a background with the XYZ color 30.1553, 41.5939,

21.4780.

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

30.1553, 41.5939, 21.4780

Protanopia

38.0414, 41.2163, 19.3152

Deuteranopia

42.0611, 41.2930, 22.2765



Tritanopia

36.9136, 41.2698, 55.8895

Trichromacy



Original Color

30.1553, 41.5939, 21.4780

Protanomaly

34.5244, 40.8306, 19.9714

Deuteranomaly

36.5712, 40.6858, 21.8452

Tritanomaly

33.9499, 41.2675, 40.8264

Monochromacy



Original Color

30.1553, 41.5939, 21.4780

Achromatopsia

34.3422, 36.1307, 39.3463

Achromatomaly

32.2833, 37.6883, 31.5597

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.1553, 41.5939, 21.4780 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(132, 187, 111)` looks like.

```
.text, #text, p{  
    color:rgb(132, 187, 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(132, 187, 111) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 187, 111) }
```

Border

The CSS property to change the border of an element to XYZ 30.1553, 41.5939, 21.4780 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(132, 187, 111) }
```


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

```
.border{ border-color:rgb(132, 187, 111) }
```

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

Here you see how a box with a 4 pixel `rgb(132, 187, 111)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(132, 187, 111); -webkit-box-  
shadow:4px 4px 4px 4px rgb(132, 187, 111);  
box-shadow:4px 4px 4px 4px rgb(132, 187,  
111) }
```

Background

The CSS property to change the background color of an element to XYZ 30.1553, 41.5939, 21.4780 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 187, 111) }
```

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

```
.background{ background-color: rgb(132,  
187, 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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