

Converting Colors

XYZ(35.0779, 47.0680, 21.7042)

Have a look what the booklet for
XYZ(35.0779, 47.0680, 21.7042)
contains.

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Color

**XYZ(35.0779, 47.0680,
21.7042)**

Conversions

Conversions Part 1

Format	Color
Hex	96C46D
RGB	150, 196, 109
RGB Percent	59%, 77%, 43%
CMY	0.4118, 0.2314, 0.5725
CMYK	0.23, 0.00, 0.44, 0.23
HSL	92°, 42%, 60%
HSV	92°, 44%, 77%
XYZ	35.0779, 47.0680, 21.7042
YIQ	172.3280, 0.5110, -36.8090

Conversions

Conversions Part 2

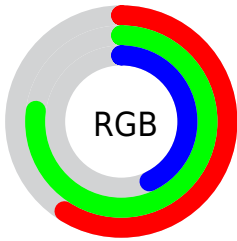
Format	Color
RYB	109, 196, 155
Decimal	9880685
CIELab	74.23, -30.29, 38.74
CIELCh	74, 49.178, 128.017
Yxy	47.0680, 0.3378, 0.4532
Android (android.graphics.Color)	4288070765 (0xFF96C46D)
YUV	172.3280, -31.2207, -19.5817
Hunter-Lab	68.6061, -28.7947, 29.2673

Details

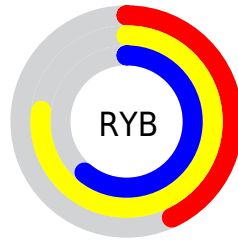
The XYZ color **35.0779, 47.0680, 21.7042** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **28.9520, 21.8927, 54.9269**, and the grayscale version is **39.5331, 41.5919, 45.2936**.

A 20% lighter version of the original color is **67.1005, 85.9810, 47.2418**, and **15.3922, 22.2032, 7.6121** is the 20% darker color. If you saturate the color by 10%, you get **32.3150, 45.7537, 16.6681**, and if you desaturate by 10%, it is **38.2471, 48.5675, 27.9893**.

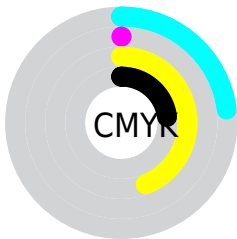
Distribution



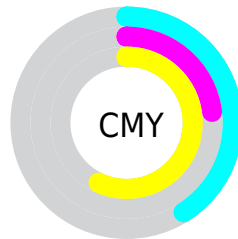
- Red (59%)
- Green (77%)
- Blue (43%)



- Red (43%)
- Yellow (77%)
- Blue (61%)



- Cyan (23%)
- Magenta (0%)
- Yellow (44%)
- Black (23%)





- Cyan (41%)
- Magenta (23%)
- Yellow (57%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 35.0779, 47.0680, 21.7042 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 35.0779, 47.0680, 21.7042 by changing the saturation by 10% instead.


 35.0779, 47.0680,
21.7042


 35.0779, 47.0680,
21.7042


316.4140,
375.0859, 273.9005


 23.8897, 33.0894,
13.4435


 66.9397, 85.8151,
47.1525


 15.3761, 22.1950,
7.6003


 88.3439, 111.3524,
65.1772

 9.1718, 14.0002,
3.7562


 113.8842,
141.5115, 87.2936

 4.9114, 8.1208,
1.4926

 143.9259,
176.6766, 113.9203

 2.2296, 4.1724,
0.2124

178.8344,
217.2322, 145.4758

 0.7583, 1.7704,
0.0000

218.9750,

 0.0000, 0.4686,

263.5627, 182.3786

0.0000

264.7131,
316.0524, 225.0474

■ 0.0000, 0.0000,
0.0000

■ 35.0779, 47.0680,
21.7042

■ 35.0779, 47.0680,
21.7042

■ 32.3150, 45.7537,
16.6681

■ 38.2471, 48.5675,
27.9893

■ 29.9348, 44.6100,
12.7944

■ 41.8378, 50.2539,
35.5962

■ 27.9161, 43.6293,
9.9904


■ 45.8683, 52.1366,
44.5958


■ 26.2337, 42.8010,
8.1477

■ 50.3548, 54.2227,
55.0529


■ 24.8577, 42.1127,
7.1350


■ 55.3126, 56.5186,
67.0283

 24.1909, 41.7759,
6.7886

 60.7563, 59.0307,
80.5793

 66.6997, 61.7647,
95.7605

 71.3669, 64.0109,
103.2016

 74.8489, 65.8059,
103.3646

Harmonies

Analogous

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



42.4115, 47.0680, 16.6160



35.0779, 47.0680, 21.7042



30.7737, 47.0680, 35.1243

Triad

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



35.0779, 47.0680, 21.7042



38.6803, 47.0680, 110.8165



63.7324, 47.0680, 44.7653

Complementary

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



35.0779, 47.0680, 21.7042



28.9520, 21.8927, 54.9269

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.



62.3898, 47.0680, 71.6791



35.0779, 47.0680, 21.7042



47.1454, 47.0680, 116.0098

Square

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



35.0779, 47.0680, 21.7042



32.6550, 47.0680, 87.3874



56.0234, 47.0680, 99.8643



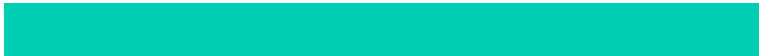
59.4820, 47.0680, 26.7657

Rectangle

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



35.0779, 47.0680, 21.7042



29.8300, 47.0680, 49.5857



56.0234, 47.0680, 99.8643



63.9297, 47.0680, 52.9492

Sweetspot

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



35.0791, 47.0701, 21.7052



84.0073, 94.8716, 82.8863



37.0744, 35.9363, 19.4510



17.6108, 20.1339, 16.8956



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.



35.0791, 47.0701, 21.7052



58.7974, 83.0056, 30.6443



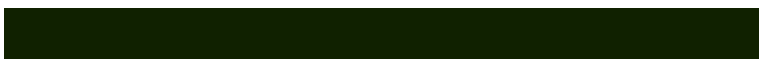
28.8870, 43.8689, 21.8263



10.3857, 11.4863, 10.7316



15.6407, 26.8919, 4.3663



0.7553, 1.2029, 0.1924

Inverse Universe

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



28.9520, 21.8927, 54.9269



46.3132, 31.7339, 98.2920



38.0350, 26.5941, 54.4945



10.0253, 10.0042, 12.6874



10.1437, 4.4897, 33.8886



0.5174, 0.2348, 1.4679

Previews

White Background



This preview shows how the XYZ color 35.0779, 47.0680, 21.7042 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 35.0779, 47.0680, 21.7042 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

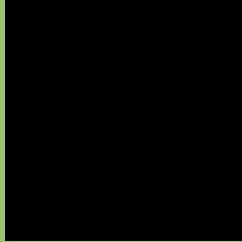
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 35.0779, 47.0680, 21.7042

Background



This preview shows how black text looks on a background with the XYZ color 35.0779, 47.0680, 21.7042.



This preview shows how white text looks on a background with the XYZ color 35.0779, 47.0680,

21.7042.

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

35.0779, 47.0680, 21.7042

Protanopia

43.0461, 46.7347, 19.8486

Deuteranopia

47.6885, 46.7027, 22.4206



Tritanopia

42.8785, 46.6546, 61.3889

Trichromacy



Original Color

35.0779, 47.0680, 21.7042

Protanomaly

39.6632, 46.5263, 20.5257

Deuteranomaly

42.1583, 46.2279, 22.0301

Tritanomaly

39.2732, 46.4543, 43.4559

Monochromacy



Original Color

35.0779, 47.0680, 21.7042

Achromatopsia

39.2122, 41.2543, 44.9259

Achromatomaly

37.2585, 43.1102, 34.7911

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.0779, 47.0680, 21.7042 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(150, 196, 109)` looks like.

```
.text, #text, p{  
    color:rgb(150, 196, 109)  
}
```

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(150, 196, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 196, 109) }
```

Border

The CSS property to change the border of an element to XYZ 35.0779, 47.0680, 21.7042 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(150, 196, 109) }
```


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

```
.border{ border-color:rgb(150, 196, 109) }
```

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

Here you see how a box with a 4 pixel `rgb(150, 196, 109)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 196, 109); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 196, 109);  
box-shadow:4px 4px 4px 4px rgb(150, 196,  
109) }
```

Background

The CSS property to change the background color of an element to XYZ 35.0779, 47.0680, 21.7042 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 196, 109) }
```

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

```
.background{ background-color: rgb(150,  
196, 109) }
```

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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