

Converting Colors

XYZ(41.2795, 52.0978, 21.4220)

Have a look what the booklet for
XYZ(41.2795, 52.0978, 21.4220)
contains.

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Color

**XYZ(41.1674, 51.9279,
21.4890)**

Conversions

Conversions Part 1

Format	Color
Hex	AFC96A
RGB	175, 201, 106
RGB Percent	69%, 79%, 42%
CMY	0.3137, 0.2117, 0.5843
CMYK	0.13, 0.00, 0.47, 0.21
HSL	76°, 47%, 60%
HSV	76°, 47%, 79%
XYZ	41.1674, 51.9279, 21.4890
YIQ	182.3960, 14.9990, -35.0570

Conversions

Conversions Part 2

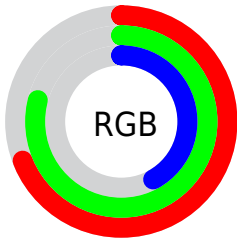
Format	Color
RYB	106, 201, 132
Decimal	11520362
CIELab	77.24, -23.58, 44.31
CIELCh	77, 50.195, 118.022
Yxy	51.9279, 0.3593, 0.4532
Android (android.graphics.Color)	4289710442 (0xFFAFC96A)
YUV	182.3960, -37.6632, -6.4863
Hunter-Lab	72.0610, -24.1323, 32.7621

Details

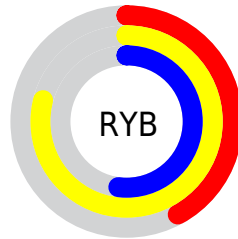
The XYZ color **41.1674, 51.9279, 21.4890** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **25.2144, 19.4320, 57.6832**, and the grayscale version is **44.8740, 47.2109, 51.4127**.

A 20% lighter version of the original color is **75.2967, 91.1790, 46.4316**, and **19.0085, 25.2082, 7.4783** is the 20% darker color. If you saturate the color by 10%, you get **39.0328, 50.9361, 16.5578**, and if you desaturate by 10%, it is **43.5999, 53.0483, 27.7150**.

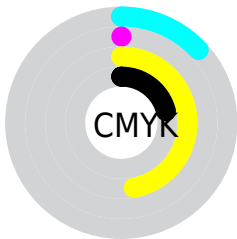
Distribution



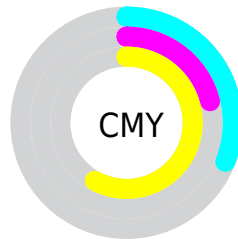
- Red (69%)
- Green (79%)
- Blue (42%)



- Red (42%)
- Yellow (79%)
- Blue (52%)



- Cyan (13%)
- Magenta (0%)
- Yellow (47%)
- Black (21%)



- Cyan (31%)
- Magenta (21%)
- Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 41.1674, 51.9279, 21.4890 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 41.1674, 51.9279, 21.4890 by changing the saturation by 10% instead.

■ 41.1674, 51.9279,
21.4890

■ 41.1674, 51.9279,
21.4890

342.0704,
394.1582, 272.7319

■ 28.6382, 36.9476,
13.2872

■ 76.2110, 93.0249,
46.7913

■ 18.9502, 25.1669,
7.4936

■ 99.4562, 119.9104,
64.7288

■ 11.7381, 16.2015,
3.6896

■ 127.0040,
151.5331, 86.7487

■ 6.6365, 9.6668,
1.4566

■ 159.2198,
188.2774, 113.2694

■ 3.2801, 5.1786,
0.1853

196.4690,
230.5276, 144.7096

■ 1.3036, 2.3524,
0.0000

239.1169,

■ 0.1859, 0.8013,

278.6682, 181.4877

0.0000

287.5289,
333.0836, 224.0222

■ 0.0000, 0.0000,
0.0000

■ 41.1674, 51.9279,
21.4890

■ 41.1674, 51.9279,
21.4890

■ 39.0328, 50.9361,
16.5578

■ 43.5999, 53.0483,
27.7150

■ 37.1743, 50.0587,
12.8266

■ 46.3427, 54.2969,
35.3151

■ 35.5730, 49.2898,
10.1930


■ 49.4121, 55.6821,
44.3662


■ 34.2051, 48.6199,
8.5358


■ 52.8220, 57.2094,
54.9387


■ 33.0386, 48.0361,
7.6885


■ 56.5853, 58.8843,
67.0982

 32.7390, 47.8851,
7.5172

 60.7145, 60.7116,
80.9065

 65.2211, 62.6961,
96.4221

 68.1562, 64.0582,
103.3800

 69.8393, 64.9259,
103.4588

Harmonies

Analogous

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



49.9971, 51.9279, 18.4080



41.1674, 51.9279, 21.4890



35.2721, 51.9279, 32.8736

Triad

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



41.1674, 51.9279, 21.4890



40.1953, 51.9279, 114.4176



70.2416, 51.9279, 58.3890

Complementary

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



41.1674, 51.9279, 21.4890



25.2144, 19.4320, 57.6832

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.



66.7637, 51.9279, 89.4848



41.1674, 51.9279, 21.4890



48.7202, 51.9279, 127.7100

Square

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



41.1674, 51.9279, 21.4890



34.7642, 51.9279, 85.2521



58.5641, 51.9279, 117.3680



67.5477, 51.9279, 35.1296

Rectangle

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



41.1674, 51.9279, 21.4890



33.3853, 51.9279, 46.2452



58.5641, 51.9279, 117.3680



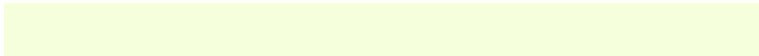
69.7472, 51.9279, 68.2608

Sweetspot

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



41.1687, 51.9302, 21.4901



86.3215, 96.1038, 81.2253



34.8520, 29.7820, 17.5480



18.2114, 20.4512, 16.5756



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.



41.1687, 51.9302, 21.4901



66.6425, 87.1176, 27.9551



32.4171, 47.4186, 21.0805



11.2299, 12.2654, 11.3383



20.6758, 30.1541, 4.7306



1.0460, 1.4623, 0.2271

Inverse Universe

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



25.2144, 19.4320, 57.6832



36.0625, 24.7272, 97.4799



34.2504, 24.0903, 58.1061



10.3246, 10.4256, 13.3857



7.6966, 3.2020, 34.9568



0.4362, 0.1886, 1.6586

Previews

White Background



This preview shows how the XYZ color 41.1674, 51.9279, 21.4890 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 41.1674, 51.9279, 21.4890 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

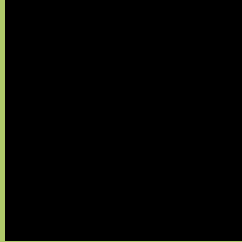
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 41.1674, 51.9279, 21.4890

Background



This preview shows how black text looks on a background with the XYZ color 41.1674, 51.9279, 21.4890.



This preview shows how white text looks on a background with the XYZ color 41.1674, 51.9279,

21.4890.

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

41.1674, 51.9279, 21.4890

Protanopia

47.6074, 51.9226, 20.0832

Deuteranopia

52.8759, 51.7594, 22.2426



Tritanopia

49.9264, 51.7995, 65.1245

Trichromacy



Original Color

41.1674, 51.9279, 21.4890

Protanomaly

44.9892, 51.8798, 20.4746

Deuteranomaly

47.8219, 51.3482, 21.8587

Tritanomaly

45.9817, 51.5154, 45.0561

Monochromacy



Original Color

41.1674, 51.9279, 21.4890

Achromatopsia

44.4628, 46.7784, 50.9417

Achromatomaly

42.6207, 48.3120, 37.6506

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.1674, 51.9279, 21.4890 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(175, 201, 106)` looks like.

```
.text, #text, p{  
    color:rgb(175, 201, 106)  
}
```

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(175, 201, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 201, 106) }
```

Border

The CSS property to change the border of an element to XYZ 41.1674, 51.9279, 21.4890 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(175, 201, 106) }
```


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

```
.border{ border-color:rgb(175, 201, 106) }
```

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

Here you see how a box with a 4 pixel `rgb(175, 201, 106)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 201, 106); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 201, 106);  
box-shadow:4px 4px 4px 4px rgb(175, 201,  
106) }
```

Background

The CSS property to change the background color of an element to XYZ 41.1674, 51.9279, 21.4890 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 201, 106) }
```

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

```
.background{ background-color: rgb(175,  
201, 106) }
```

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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