

Converting Colors

XYZ(41.7195, 74.3826, 21.6685)

Have a look what the booklet for
XYZ(41.7195, 74.3826, 21.6685)
contains.

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Color

**XYZ(41.6830, 74.3651,
21.6082)**

Conversions

Conversions Part 1

Format	Color
Hex	59FF59
RGB	89, 255, 89
RGB Percent	35%, 100%, 35%
CMY	0.6510, 0.0000, 0.6510
CMYK	0.65, 0.00, 0.65, 0.00
HSL	120°, 100%, 67%
HSV	120°, 65%, 100%
XYZ	41.6830, 74.3651, 21.6082
YIQ	186.4420, -45.6500, -86.8180

Conversions

Conversions Part 2

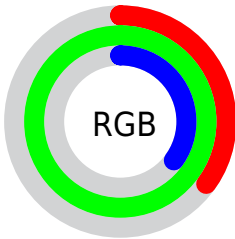
Format	Color
RYB	89, 255, 255
Decimal	5898073
CIELab	89.09, -73.12, 64.54
CIElCh	89, 97.527, 138.566
Yxy	74.3651, 0.3028, 0.5402
Android (android.graphics.Color)	4284088153 (0xFF59FF59)
YUV	186.4420, -48.0389, -85.4566
Hunter-Lab	86.2352, -64.6311, 45.5082

Details

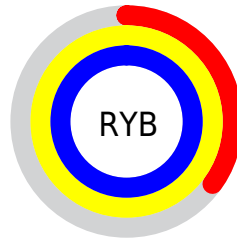
The XYZ color **41.6830, 74.3651, 21.6082** is a dark color, and the websafe version is hex **66FF66**. The color can be described as middle muted green. A complement of this color would be **62.8617, 35.6246, 98.1669**, and the grayscale version is **47.2001, 49.6582, 54.0778**.

A 20% lighter version of the original color is **54.5811, 80.6323, 39.4749**, and **20.1527, 40.0071, 7.6373** is the 20% darker color. If you saturate the color by 10%, you get **38.7534, 72.9579, 16.8169**, and if you desaturate by 10%, it is **45.8308, 76.3575, 28.3936**.

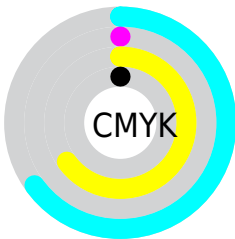
Distribution



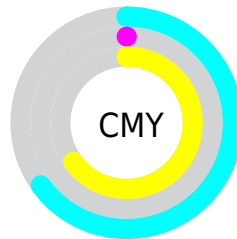
- Red (35%)
- Green (100%)
- Blue (35%)



- Red (35%)
- Yellow (100%)
- Blue (100%)



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





- Cyan (65%)
- Magenta (0%)
- Yellow (65%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 41.6830, 74.3651, 21.6082 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 41.6830, 74.3651, 21.6082 by changing the saturation by 10% instead.


 41.6830, 74.3651,
21.6082

 41.6830, 74.3651,
21.6082


344.1812,
475.7325, 273.3797


 29.0432, 55.0929,
13.3737


 76.9878, 125.4132,
46.9914


 19.2579, 39.4761,
7.5527


 100.3835,
157.9580, 64.9773

 11.9619, 27.1303,
3.7264


 128.0952,
195.6957, 87.0507

 6.7898, 17.6711,
1.4765

 160.4883,
239.0107, 113.6302

 3.3761, 10.7141,
0.2003

197.9280,
288.2875, 145.1343

 1.3556, 5.8749,
0.0000

240.7799,

 0.2243, 2.7692,

343.9105, 181.9815

0.0000

289.4091,
406.2640, 224.5905

0.0000, 1.0125,
0.0000

0.0000, 0.0000,
0.0000

41.6830, 74.3651,
21.6082

41.6830, 74.3651,
21.6082

38.7534, 72.9579,
16.8169

45.8308, 76.3575,
28.3936

36.9093, 72.0721,
13.8003

51.3093, 78.9891,
37.3546

35.9882, 71.6296,
12.2935

58.2189, 82.3081,
48.6565

35.7600, 71.5200,
11.9202

66.6503, 86.3582,
62.4476

■ 76.6868, 91.1792,
78.8639

■ 88.4054, 96.8083,
98.0317

95.0500, 100.0000,
108.9000

Harmonies

Analogous

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



57.1202, 74.3651, 9.5131



41.6830, 74.3651, 21.6082



34.7140, 74.3651, 57.7189

Triad

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



41.6830, 74.3651, 21.6082



62.0123, 74.3651, 288.6131



123.3911, 74.3651, 46.0695

Complementary

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



41.6830, 74.3651, 21.6082



62.8617, 35.6246, 98.1669

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.



125.5341, 74.3651, 109.7543



41.6830, 74.3651, 21.6082



86.2361, 74.3651, 278.9027

Square

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



41.6830, 74.3651, 21.6082



44.5709, 74.3651, 223.8650



110.7293, 74.3651, 201.9683



105.4011, 74.3651, 17.1836

Rectangle

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



41.6830, 74.3651, 21.6082



34.4676, 74.3651, 102.0471



110.7293, 74.3651, 201.9683



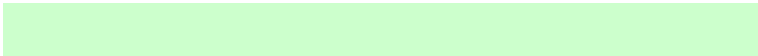
126.1171, 74.3651, 63.0170

Sweetspot

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



41.6833, 74.3652, 21.6094



71.5611, 88.7171, 70.4801



78.8032, 93.5013, 23.3455



14.7263, 18.7053, 14.1194



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.



41.6833, 74.3652, 21.6094



38.1129, 72.6502, 15.7691



47.3263, 76.6225, 51.3252



17.7717, 20.1682, 19.1006



18.6854, 37.3708, 6.2286



1.8193, 3.6387, 0.6065

Inverse Universe

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



62.8617, 35.6246, 98.1669



60.7081, 31.3177, 97.4483



52.2589, 31.3835, 42.3332



18.7927, 18.3004, 22.7917



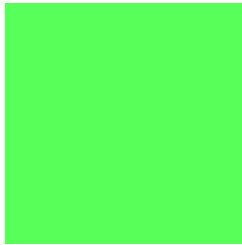
30.9797, 14.8812, 50.6710



3.0164, 1.4489, 4.9337

Previews

White Background



This preview shows how the XYZ color 41.6830, 74.3651, 21.6082 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 41.6830, 74.3651, 21.6082 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

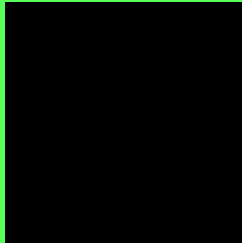
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 41.6830, 74.3651, 21.6082

Background



This preview shows how black text looks on a background with the XYZ color 41.6830, 74.3651, 21.6082.

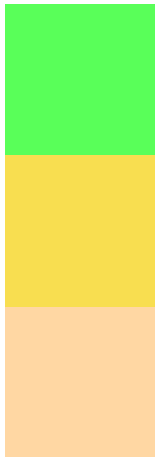


This preview shows how white text looks on a background with the XYZ color 41.6830, 74.3651,

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

41.6830, 74.3651, 21.6082

Protanopia

66.2806, 72.7782, 18.1436

Deuteranopia

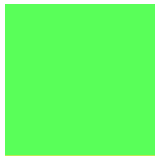
72.1513, 72.5052, 44.8425



Tritanopia

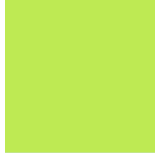
59.4895, 73.5392, 105.6668

Trichromacy



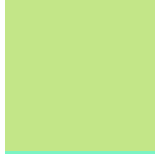
Original Color

41.6830, 74.3651, 21.6082



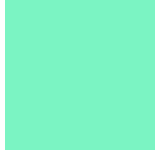
Protanomaly

52.2194, 70.4173, 19.0233



Deuteranomaly

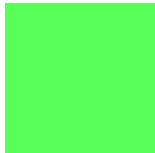
55.2464, 69.9733, 33.8870



Tritanomaly

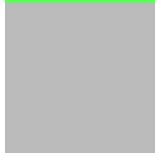
50.3694, 72.8525, 63.0369

Monochromacy



Original Color

41.6830, 74.3651, 21.6082



Achromatopsia

46.6715, 49.1021, 53.4722



Achromatomaly

41.6427, 55.4022, 37.7771

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.6830, 74.3651, 21.6082 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(89, 255, 89)` looks like.

```
.text, #text, p{  
    color:rgb(89, 255, 89)  
}
```

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(89, 255, 89) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(89, 255, 89) }
```

Border

The CSS property to change the border of an element to XYZ 41.6830, 74.3651, 21.6082 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(89, 255, 89) }
```


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

```
.border{ border-color:rgb(89, 255, 89) }
```

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

Here you see how a box with a 4 pixel `rgb(89, 255, 89)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(89, 255, 89); -webkit-box-  
shadow:4px 4px 4px 4px rgb(89, 255, 89);  
box-shadow:4px 4px 4px 4px rgb(89, 255,  
89) }
```

Background

The CSS property to change the background color of an element to XYZ 41.6830, 74.3651, 21.6082 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(89, 255, 89) }
```

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

```
.background{ background-color: rgb(89, 255,  
89) }
```

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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