

Converting Colors

XYZ(42.4361, 51.4721, 40.6040)

Have a look what the booklet for
XYZ(42.4361, 51.4721, 40.6040)
contains.

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Color

**XYZ(42.4073, 51.4570,
40.4980)**

Conversions

Conversions Part 1

Format	Color
Hex	A6C79F
RGB	166, 199, 159
RGB Percent	65%, 78%, 62%
CMY	0.3490, 0.2196, 0.3765
CMYK	0.17, 0.00, 0.20, 0.22
HSL	110°, 26%, 70%
HSV	110°, 20%, 78%
XYZ	42.4073, 51.4570, 40.4980
YIQ	184.5730, -6.8280, -19.4360

Conversions

Conversions Part 2

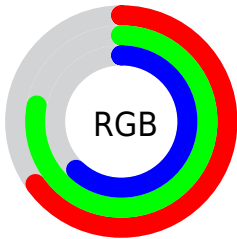
Format	Color
RYB	159, 199, 192
Decimal	10930079
CIELab	76.96, -18.60, 16.44
CIELCh	77, 24.823, 138.540
Yxy	51.4570, 0.3156, 0.3830
Android (android.graphics.Color)	4289120159 (0xFFA6C79F)
YUV	184.5730, -12.6075, -16.2885
Hunter-Lab	71.7335, -20.0084, 16.7406

Details

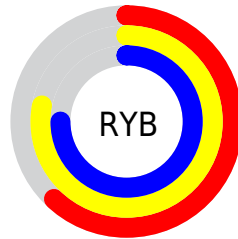
The XYZ color **42.4073, 51.4570, 40.4980** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **44.4473, 40.1277, 59.4383**, and the grayscale version is **45.9485, 48.3414, 52.6438**.

A 20% lighter version of the original color is **77.7164, 91.7472, 77.2312**, and **19.7187, 24.8897, 17.6748** is the 20% darker color. If you saturate the color by 10%, you get **37.5930, 49.1604, 31.9725**, and if you desaturate by 10%, it is **47.9418, 54.0958, 50.5107**.

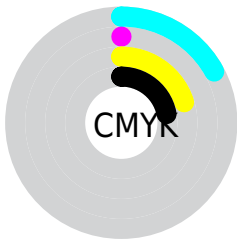
Distribution



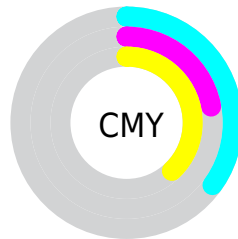
- Red (65%)
- Green (78%)
- Blue (62%)



- Red (62%)
- Yellow (78%)
- Blue (75%)



- Cyan (17%)
- Magenta (0%)
- Yellow (20%)
- Black (22%)





- Cyan (35%)
- Magenta (22%)
- Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.4073, 51.4570, 40.4980 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 42.4073, 51.4570, 40.4980 by changing the saturation by 10% instead.


 42.4073, 51.4570,
40.4980


 42.4073, 51.4570,
40.4980


347.1316,
392.3367, 363.8324

 29.6129, 36.5724,
27.6103


 78.0770, 92.3299,
77.1666

 19.6915, 24.8766,
17.7956


 101.6829,
119.0871, 101.7846

 12.2780, 15.9852,
10.6354


129.6234,
150.5706, 131.1498

 7.0068, 9.5137,
5.7112

162.2638,
187.1648, 165.6807

 3.5127, 5.0777,
2.6043

199.9695,
229.2541, 205.7959

 1.4304, 2.2929,
0.8947

243.1058,

 0.2777, 0.7700,

277.2230, 251.9139

0.0000

292.0380,
331.4557, 304.4532

■ 0.0000, 0.0000,
0.0000

■ 42.4073, 51.4570,
40.4980

■ 42.4073, 51.4570,
40.4980

■ 37.5930, 49.1604,
31.9725

■ 47.9418, 54.0958,
50.5107

■ 33.4651, 47.1855,
24.8600

■ 54.2205, 57.0832,
62.0732

■ 29.9929, 45.5198,
19.0852

■ 61.2712, 60.4336,
75.2486

■ 27.1421, 44.1472,
14.5644

■ 69.1191, 64.1589,
90.0955

■ 24.8748, 43.0504,
11.2045

■ 77.2189, 68.0424,
103.6714

■ 23.1491, 42.2100,
8.8992

■ 79.7144, 69.3288,
103.7881

■ 21.9169, 41.6040,
7.5231

■ 21.1115, 41.2030,
6.8403

Harmonies

Analogous

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



46.0745, 51.4570, 34.7922



42.4073, 51.4570, 40.4980



40.5292, 51.4570, 51.0128

Triad

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



42.4073, 51.4570, 40.4980



47.1243, 51.4570, 85.6121



58.0431, 51.4570, 48.1511

Complementary

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



42.4073, 51.4570, 40.4980



44.4473, 40.1277, 59.4383

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.



58.3694, 51.4570, 61.3614



42.4073, 51.4570, 40.4980



51.8560, 51.4570, 84.5130

Square

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



42.4073, 51.4570, 40.4980



43.1331, 51.4570, 77.8905



56.0420, 51.4570, 75.0932



55.1773, 51.4570, 38.6946

Rectangle

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



42.4073, 51.4570, 40.4980



40.4583, 51.4570, 59.9834



56.0420, 51.4570, 75.0932



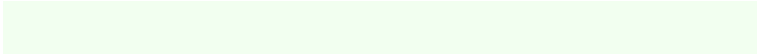
58.4599, 51.4570, 52.2502

Sweetspot

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



42.4087, 51.4592, 40.4991



88.1911, 96.7375, 96.2286



48.5899, 52.2007, 40.3165



18.7231, 20.6328, 20.3150



0.0000, 0.0000, 0.0000



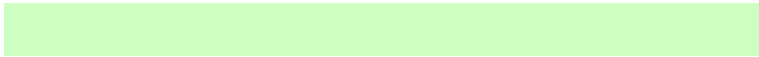
20.3446, 21.4041, 23.3091

Same Dimension

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



42.4087, 51.4592, 40.4991



70.5165, 88.3154, 64.2512



42.1375, 51.1858, 46.5223



10.6676, 11.9756, 11.3120



13.6269, 26.5202, 4.4007



0.7000, 1.2840, 0.2109

Inverse Universe

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



44.4473, 40.1277, 59.4383



74.7069, 65.0000, 103.2165



44.8516, 40.4991, 52.0955



10.8940, 10.7191, 13.4123



16.5634, 7.7730, 35.3717



0.8335, 0.3934, 1.6772

Previews

White Background



This preview shows how the XYZ color 42.4073, 51.4570, 40.4980 looks on a white background.

Color Contrast Check

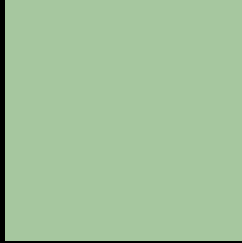
Large Text (above 18pt) WCAG AA × Fail

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 42.4073, 51.4570, 40.4980 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 42.4073, 51.4570, 40.4980

Background



This preview shows how black text looks on a background with the XYZ color 42.4073, 51.4570, 40.4980.

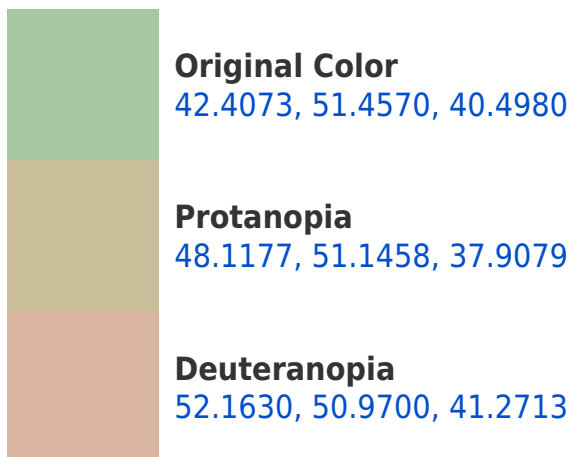


This preview shows how white text looks on a background with the XYZ color 42.4073, 51.4570,

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

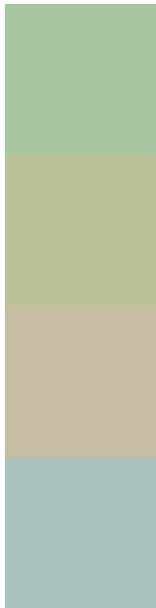




Tritanopia

47.6904, 51.2520, 67.0536

Trichromacy



Original Color

42.4073, 51.4570, 40.4980

Protanomaly

45.8098, 51.2316, 38.9267

Deuteranomaly

47.9694, 50.6818, 40.9725

Tritanomaly

45.6040, 51.4058, 56.2339

Monochromacy



Original Color

42.4073, 51.4570, 40.4980

Achromatopsia

46.1135, 48.5150, 52.8328

Achromatomaly

44.6100, 49.4265, 48.2634

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.4073, 51.4570, 40.4980 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(166, 199, 159)` looks like.

```
.text, #text, p{  
    color:rgb(166, 199, 159)  
}
```

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(166, 199, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 199, 159) }
```

Border

The CSS property to change the border of an element to XYZ 42.4073, 51.4570, 40.4980 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(166, 199, 159) }
```


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

```
.border{ border-color:rgb(166, 199, 159) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 199, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 199, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 199, 159);  
box-shadow:4px 4px 4px 4px rgb(166, 199,  
159) }
```

Background

The CSS property to change the background color of an element to XYZ 42.4073, 51.4570, 40.4980 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 199, 159) }
```

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

```
.background{ background-color: rgb(166,  
199, 159) }
```

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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