

Converting Colors

XYZ(41.2875, 58.2638, 42.7195)

Have a look what the booklet for
XYZ(41.2875, 58.2638, 42.7195)
contains.

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Color

**XYZ(41.2803, 58.1418,
42.7650)**

Conversions

Conversions Part 1

Format	Color
Hex	84DBA1
RGB	132, 219, 161
RGB Percent	52%, 86%, 63%
CMY	0.4823, 0.1412, 0.3686
CMYK	0.40, 0.00, 0.26, 0.14
HSL	140°, 55%, 69%
HSV	140°, 40%, 86%
XYZ	41.2803, 58.1418, 42.7650
YIQ	186.3750, -33.2340, -36.4820

Conversions

Conversions Part 2

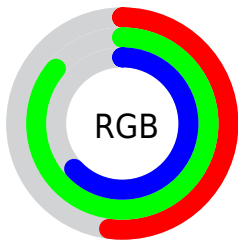
Format	Color
RYB	132, 197, 219
Decimal	8706977
CIELab	80.82, -38.67, 20.46
CIELCh	81, 43.746, 152.115
Yxy	58.1418, 0.2903, 0.4089
Android (android.graphics.Color)	4286897057 (0xFF84DBA1)
YUV	186.3750, -12.5099, -47.6869
Hunter-Lab	76.2508, -36.8033, 20.1229

Details

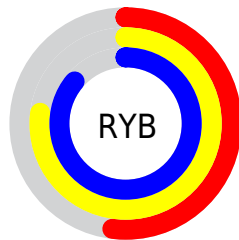
The XYZ color **41.2803, 58.1418, 42.7650** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **46.7609, 35.2817, 53.0630**, and the grayscale version is **46.9651, 49.4109, 53.8085**.

A 20% lighter version of the original color is **68.8937, 87.1692, 78.1600**, and **18.9181, 28.8763, 19.0446** is the 20% darker color. If you saturate the color by 10%, you get **36.9953, 56.0746, 36.2318**, and if you desaturate by 10%, it is **46.4376, 60.6446, 50.1264**.

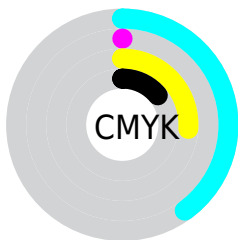
Distribution



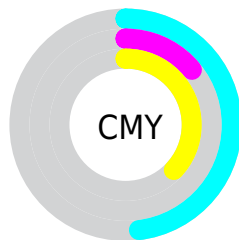
- Red (52%)
- Green (86%)
- Blue (63%)



- Red (52%)
- Yellow (77%)
- Blue (86%)



- Cyan (40%)
- Magenta (0%)
- Yellow (26%)
- Black (14%)





- Cyan (48%)
- Magenta (14%)
- Yellow (37%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 41.2803, 58.1418, 42.7650 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 41.2803, 58.1418, 42.7650 by changing the saturation by 10% instead.


 41.2803, 58.1418,
42.7650


 41.2803, 58.1418,
42.7650


342.5334,
417.7141, 373.5372


 28.7268, 41.9227,
29.3707


 76.3812, 102.1293,
80.6387

 19.0175, 29.0407,
19.1135


 99.6594, 130.6665,
105.9551

 11.7870, 19.1116,
11.5747

 127.2432,
164.0785, 136.0828

 6.6700, 11.7510,
6.3358

159.4979,
202.7496, 171.4401

 3.3011, 6.5743,
2.9782

196.7889,
247.0644, 212.4457

 1.3149, 3.1974,
1.0835

239.4816,

 0.1943, 1.2356,

297.4071, 259.5180

0.0000

287.9413,
354.1622, 313.0757

■ 0.0000, 0.0905,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 41.2803, 58.1418,
42.7650

■ 41.2803, 58.1418,
42.7650

■ 36.9953, 56.0746,
36.2318

■ 46.4376, 60.6446,
50.1264

■ 33.5274, 54.4103,
30.4937

■ 52.5090, 63.5990,
58.3399


■ 30.8224, 53.1230,
25.5208


■ 59.5389, 67.0290,
67.4331


■ 28.8168, 52.1809,
21.2801


■ 67.5674, 70.9549,
77.4314


 27.4361, 51.5461,
17.7358

 76.6325, 75.3956,
88.3590

 26.5560, 51.1555,
14.8473

 83.6099, 78.7401,
100.0913

 26.5352, 51.1463,
14.7769

 84.6226, 79.1452,
105.4242

Harmonies

Analogous

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



46.5283, 58.1418, 29.8155



41.2803, 58.1418, 42.7650



39.6507, 58.1418, 65.1614

Triad

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



41.2803, 58.1418, 42.7650



55.9060, 58.1418, 127.2077



71.3273, 58.1418, 40.3618

Complementary

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



41.2803, 58.1418, 42.7650



46.7609, 35.2817, 53.0630

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.



74.5120, 58.1418, 61.4872



41.2803, 58.1418, 42.7650



65.0255, 58.1418, 115.5120

Square

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



41.2803, 58.1418, 42.7650



47.5260, 58.1418, 118.2769



72.0904, 58.1418, 89.5544



63.7951, 58.1418, 28.7173

Rectangle

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



41.2803, 58.1418, 42.7650



40.6747, 58.1418, 83.9537



72.0904, 58.1418, 89.5544



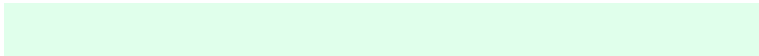
72.9766, 58.1418, 46.3567

Sweetspot

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



41.2818, 58.1442, 42.7663



81.5622, 93.4063, 92.0249



51.0977, 63.4665, 31.3876



17.1702, 19.8525, 19.3282



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.



41.2818, 58.1442, 42.7663



52.9513, 79.5067, 52.2934



45.6345, 59.8853, 65.6874



13.0646, 14.6775, 14.8034



15.7790, 30.3442, 9.0016



1.0615, 1.9815, 0.7897

Inverse Universe

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



46.7609, 35.2817, 53.0630



61.7362, 42.7910, 68.7586



42.8077, 33.7004, 32.2458



13.4203, 13.1972, 15.4743



20.4514, 10.1816, 17.2890



1.3643, 0.6754, 1.3273

Previews

White Background



This preview shows how the XYZ color 41.2803, 58.1418, 42.7650 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 41.2803, 58.1418, 42.7650 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

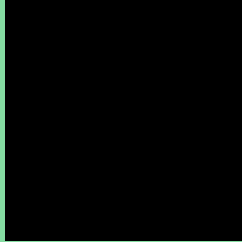
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 41.2803, 58.1418, 42.7650

Background



This preview shows how black text looks on a background with the XYZ color 41.2803, 58.1418, 42.7650.



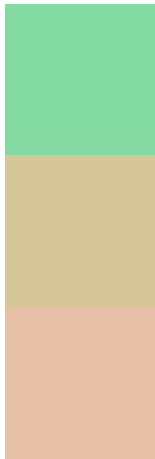
This preview shows how white text looks on a background with the XYZ color 41.2803, 58.1418,

42.7650.

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

41.2803, 58.1418, 42.7650

Protanopia

53.5315, 57.2600, 37.9366

Deuteranopia

58.4578, 57.3123, 44.5405



Tritanopia

48.9443, 57.8423, 81.2581

Trichromacy



Original Color

41.2803, 58.1418, 42.7650



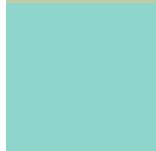
Protanomaly

47.7549, 56.6995, 39.4375



Deuteranomaly

50.1602, 56.4270, 43.8451



Tritanomaly

45.7291, 57.6511, 65.2175

Monochromacy



Original Color

41.2803, 58.1418, 42.7650



Achromatopsia

46.6715, 49.1021, 53.4722



Achromatomaly

43.8558, 51.6695, 49.2567

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.2803, 58.1418, 42.7650 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, 219, 161)` looks like.

```
.text, #text, p{  
    color:rgb(132, 219, 161)  
}
```

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, 219, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 219, 161) }
```

Border

The CSS property to change the border of an element to XYZ 41.2803, 58.1418, 42.7650 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, 219, 161) }
```


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

```
.border{ border-color:rgb(132, 219, 161) }
```

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

Here you see how a box with a 4 pixel rgb(132, 219, 161) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(132, 219, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(132, 219, 161);  
box-shadow:4px 4px 4px 4px rgb(132, 219,  
161) }
```

Background

The CSS property to change the background color of an element to XYZ 41.2803, 58.1418, 42.7650 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 219, 161) }
```

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

```
.background{ background-color: rgb(132,  
219, 161) }
```

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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