

Converting Colors

XYZ(42.8666, 61.7191, 40.1962)

Have a look what the booklet for
XYZ(42.8666, 61.7191, 40.1962)
contains.

XYZ(42.8606, 61.7941, 40.2403)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(42.8606, 61.7941,
40.2403)**

Conversions

Conversions Part 1

Format	Color
Hex	86E29A
RGB	134, 226, 154
RGB Percent	53%, 89%, 60%
CMY	0.4745, 0.1137, 0.3961
CMYK	0.41, 0.00, 0.32, 0.11
HSL	133°, 61%, 71%
HSV	133°, 41%, 89%
XYZ	42.8606, 61.7941, 40.2403
YIQ	190.2840, -31.7200, -41.8960

Conversions

Conversions Part 2

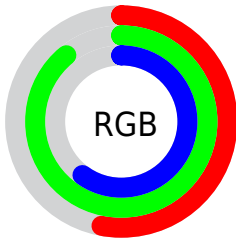
Format	Color
RYB	134, 210, 226
Decimal	8839834
CIELab	82.80, -42.46, 26.83
CIElCh	83, 50.221, 147.714
Yxy	61.7941, 0.2958, 0.4265
Android (android.graphics.Color)	4287029914 (0xFF86E29A)
YUV	190.2840, -17.8880, -49.3611
Hunter-Lab	78.6092, -40.2415, 24.6757

Details

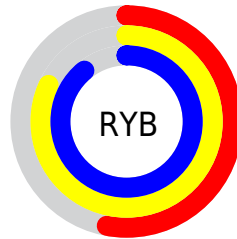
The XYZ color **42.8606, 61.7941, 40.2403** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **51.0317, 37.6765, 62.9775**, and the grayscale version is **49.2216, 51.7850, 56.3938**.

A 20% lighter version of the original color is **68.7545, 87.1998, 73.5291**, and **19.9149, 31.3285, 17.5677** is the 20% darker color. If you saturate the color by 10%, you get **38.2700, 59.5872, 32.8945**, and if you desaturate by 10%, it is **48.4412, 64.4898, 48.7682**.

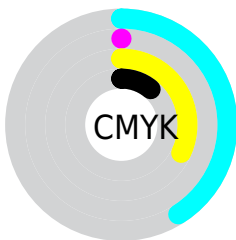
Distribution



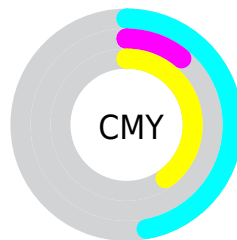
- Red (53%)
- Green (89%)
- Blue (60%)



- Red (53%)
- Yellow (82%)
- Blue (89%)



- Cyan (41%)
- Magenta (0%)
- Yellow (32%)
- Black (11%)





- Cyan (47%)
- Magenta (11%)
- Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.8606, 61.7941, 40.2403 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 42.8606, 61.7941, 40.2403 by changing the saturation by 10% instead.

 42.8606, 61.7941,
40.2403


 42.8606, 61.7941,
40.2403

348.9694,
431.1796, 362.7175


 29.9698, 44.8663,
27.4107


 78.7575, 107.4279,
76.7704

 19.9636, 31.3522,
17.6468


 102.4943,
136.9027, 101.3080

 12.4767, 20.8672,
10.5299


 130.5771,
171.3287, 130.5854

 7.1437, 13.0269,
5.6415

163.3714,
211.0902, 165.0210

 3.5993, 7.4471,
2.5631

201.2423,
256.5717, 205.0335

 1.4780, 3.7433,
0.8733

244.5555,

 0.3108, 1.5310,

308.1575, 251.0414

0.0000

293.6760,
366.2320, 303.4632

0.0000, 0.3104,
0.0000

0.0000, 0.0000,
0.0000

42.8606, 61.7941,
40.2403

42.8606, 61.7941,
40.2403

38.2700, 59.5872,
32.8945

48.4412, 64.4898,
48.7682

34.6057, 57.8320,
26.6745

55.0610, 67.6934,
58.5229


31.8038, 56.4987,
21.5257


62.7716, 71.4322,
69.5519

29.7902, 55.5501,
17.3871

71.6198, 75.7295,
81.8989

 28.4774, 54.9427,
14.1915

 81.6496, 80.6071,
95.6055

 27.7547, 54.6179,
11.9998

 86.4875, 82.8750,
106.0458

Harmonies

Analogous

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



49.5905, 61.7941, 27.1556



42.8606, 61.7941, 40.2403



40.3220, 61.7941, 64.9376

Triad

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



42.8606, 61.7941, 40.2403



57.9086, 61.7941, 145.9788



79.1152, 61.7941, 43.2296

Complementary

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



42.8606, 61.7941, 40.2403



51.0317, 37.6765, 62.9775

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.



82.0376, 61.7941, 69.6848



42.8606, 61.7941, 40.2403



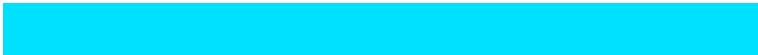
68.9362, 61.7941, 134.9092

Square

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



42.8606, 61.7941, 40.2403



48.3192, 61.7941, 131.1702



78.1086, 61.7941, 104.3369



70.5458, 61.7941, 28.4725

Rectangle

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



42.8606, 61.7941, 40.2403



41.0805, 61.7941, 87.0622



78.1086, 61.7941, 104.3369



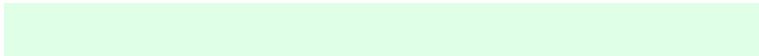
80.8332, 61.7941, 50.7527

Sweetspot

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



42.8622, 61.7967, 40.2417



81.0558, 93.2038, 89.3580



56.9738, 69.2482, 32.9182



17.0516, 19.8050, 18.7039



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.



42.8622, 61.7967, 40.2417



51.0776, 78.7114, 44.4945



47.4472, 63.6307, 64.3861



13.6501, 15.3858, 15.1929



15.8694, 31.1726, 7.0355



1.1332, 2.1740, 0.6625

Inverse Universe

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



51.0317, 37.6765, 62.9775



63.2102, 42.8309, 78.2158



46.2419, 35.7605, 37.7546



14.1608, 13.8819, 16.6168



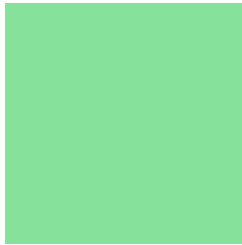
22.4589, 11.0506, 24.8803



1.5888, 0.7788, 1.8933

Previews

White Background



This preview shows how the XYZ color 42.8606, 61.7941, 40.2403 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 42.8606, 61.7941, 40.2403 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 42.8606, 61.7941, 40.2403

Background



This preview shows how black text looks on a background with the XYZ color 42.8606, 61.7941, 40.2403.



This preview shows how white text looks on a background with the XYZ color 42.8606, 61.7941,

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

42.8606, 61.7941, 40.2403

Protanopia

56.7609, 61.0791, 35.5859

Deuteranopia

62.2466, 60.9958, 41.7503



Tritanopia

52.0263, 61.5742, 86.2337

Trichromacy



Original Color

42.8606, 61.7941, 40.2403



Protanomaly

50.1258, 60.5454, 37.0615



Deuteranomaly

52.8148, 59.9979, 41.1449



Tritanomaly

48.1693, 61.5658, 66.4713

Monochromacy



Original Color

42.8606, 61.7941, 40.2403



Achromatopsia

48.9429, 51.4918, 56.0745



Achromatomaly

45.8693, 54.4322, 49.6839

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.8606, 61.7941, 40.2403 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(134, 226, 154)` looks like.

```
.text, #text, p{  
    color:rgb(134, 226, 154)  
}
```

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(134, 226, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(134, 226, 154) }
```

Border

The CSS property to change the border of an element to XYZ 42.8606, 61.7941, 40.2403 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(134, 226, 154) }
```


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

```
.border{ border-color:rgb(134, 226, 154) }
```

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

Here you see how a box with a 4 pixel `rgb(134, 226, 154)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(134, 226, 154); -webkit-box-  
shadow:4px 4px 4px 4px rgb(134, 226, 154);  
box-shadow:4px 4px 4px 4px rgb(134, 226,  
154) }
```

Background

The CSS property to change the background color of an element to XYZ 42.8606, 61.7941, 40.2403 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(134, 226, 154) }
```

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

```
.background{ background-color: rgb(134,  
226, 154) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor