

Converting Colors

XYZ(42.7993, 61.6622, 44.7682)

Have a look what the booklet for
XYZ(42.7993, 61.6622, 44.7682)
contains.

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Color

**XYZ(42.7993, 61.6622,
44.7682)**

Conversions

Conversions Part 1

Format	Color
Hex	80E2A4
RGB	128, 226, 164
RGB Percent	50%, 89%, 64%
CMY	0.4980, 0.1137, 0.3569
CMYK	0.43, 0.00, 0.27, 0.11
HSL	142°, 63%, 69%
HSV	142°, 43%, 89%
XYZ	42.7993, 61.6622, 44.7682
YIQ	189.6300, -38.5060, -40.0580

Conversions

Conversions Part 2

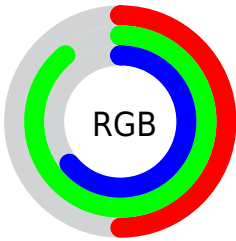
Format	Color
RYB	128, 200, 226
Decimal	8446628
CIELab	82.73, -42.34, 21.51
CIELCh	83, 47.488, 153.065
Yxy	61.6622, 0.2868, 0.4132
Android (android.graphics.Color)	4286636708 (0xFF80E2A4)
YUV	189.6300, -12.6356, -54.0495
Hunter-Lab	78.5253, -40.1299, 21.1658

Details

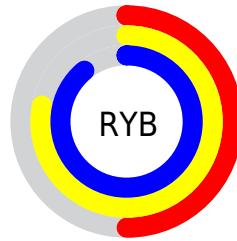
The XYZ color **42.7993, 61.6622, 44.7682** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **48.3795, 35.3262, 52.9864**, and the grayscale version is **48.8183, 51.3606, 55.9317**.

A 20% lighter version of the original color is **68.5538, 86.9488, 80.1875**, and **19.9718, 31.2970, 20.3175** is the 20% darker color. If you saturate the color by 10%, you get **38.5517, 59.6151, 38.2042**, and if you desaturate by 10%, it is **47.9524, 64.1627, 52.1351**.

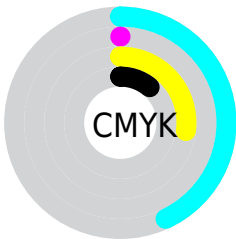
Distribution



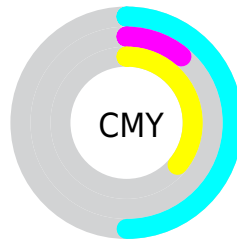
- Red (50%)
- Green (89%)
- Blue (64%)



- Red (50%)
- Yellow (78%)
- Blue (89%)



- Cyan (43%)
- Magenta (0%)
- Yellow (27%)
- Black (11%)





- Cyan (50%)
- Magenta (11%)
- Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.7993, 61.6622, 44.7682 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 42.7993, 61.6622, 44.7682 by changing the saturation by 10% instead.


 42.7993, 61.6622,
44.7682


 42.7993, 61.6622,
44.7682


348.7213,
430.6978, 381.9667


 29.9215, 44.7598,
30.9333


 78.6655, 107.2372,
83.6872

 19.9268, 31.2683,
20.2900

 102.3846,
136.6785, 109.6084

 12.4498, 20.8032,
12.4199


 130.4483,
171.0683, 140.3954

 7.1252, 12.9802,
6.9043

163.2218,
210.7910, 176.4667

 3.5875, 7.4149,
3.3248

201.0704,
256.2309, 218.2410

 1.4715, 3.7229,
1.2628

244.3597,

 0.3063, 1.5198,

307.7724, 266.1367

0.0310

293.4548,
365.7999, 320.5724

■ 0.0000, 0.3026,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 42.7993, 61.6622,
44.7682

■ 42.7993, 61.6622,
44.7682

■ 38.5517, 59.6151,
38.2042

■ 47.9524, 64.1627,
52.1351

■ 35.1490, 57.9856,
32.4114


■ 54.0569, 67.1347,
60.3270


■ 32.5309, 56.7450,
27.3619


■ 61.1613, 70.6044,
69.3702

■ 30.6259, 55.8570,
23.0245

■ 69.3091, 74.5936,
79.2884

 29.3486, 55.2782,
19.3654

 78.5415, 79.1232,
90.1048

 28.7596, 55.0198,
17.2918

 85.6603, 82.5441,
101.6898

 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.



48.5424, 61.6622, 30.2016



42.7993, 61.6622, 44.7682



41.1186, 61.6622, 70.1890

Triad

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



42.7993, 61.6622, 44.7682



59.6634, 61.6622, 140.3287



76.6356, 61.6622, 40.9129

Complementary

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



42.7993, 61.6622, 44.7682



48.3795, 35.3262, 52.9864

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.



80.4635, 61.6622, 64.1799



42.7993, 61.6622, 44.7682



69.9771, 61.6622, 126.0951

Square

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



42.7993, 61.6622, 44.7682



50.1625, 61.6622, 130.7239



77.8969, 61.6622, 95.9436



67.9520, 61.6622, 28.4719

Rectangle

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



42.7993, 61.6622, 44.7682



42.3468, 61.6622, 91.6464



77.8969, 61.6622, 95.9436



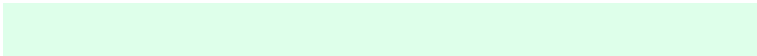
78.5757, 61.6622, 47.4446

Sweetspot

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



42.8009, 61.6647, 44.7696



80.6935, 92.9680, 91.5541



52.3466, 66.9097, 30.5787



16.8007, 19.6687, 19.0083



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.



42.8009, 61.6647, 44.7696



51.2039, 78.6313, 51.0613



48.1022, 63.7852, 72.6855



13.7359, 15.4201, 15.6444



16.4591, 31.4085, 10.1405



1.1830, 2.1939, 0.9247

Inverse Universe

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



48.3795, 35.3262, 52.9864



59.4247, 39.7479, 63.1181



43.8977, 33.5335, 29.3852



14.0703, 13.8457, 16.1402



20.7799, 10.3790, 16.0387



1.4830, 0.7365, 1.3364

Previews

White Background



This preview shows how the XYZ color 42.7993, 61.6622, 44.7682 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 42.7993, 61.6622, 44.7682 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 42.7993, 61.6622, 44.7682

Background



This preview shows how black text looks on a background with the XYZ color 42.7993, 61.6622, 44.7682.

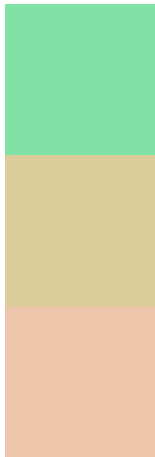


This preview shows how white text looks on a background with the XYZ color 42.7993, 61.6622,

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

42.7993, 61.6622, 44.7682

Protanopia

56.6390, 60.5789, 39.2795

Deuteranopia

62.1470, 60.8393, 46.4979



Tritanopia

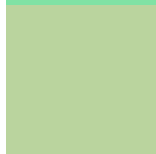
51.1657, 61.4955, 87.0150

Trichromacy



Original Color

42.7993, 61.6622, 44.7682



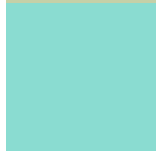
Protanomaly

49.9647, 59.9947, 41.2945



Deuteranomaly

52.6497, 59.8092, 45.8152



Tritanomaly

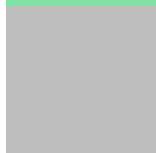
47.5831, 61.1931, 69.6252

Monochromacy



Original Color

42.7993, 61.6622, 44.7682



Achromatopsia

48.9429, 51.4918, 56.0745



Achromatomaly

45.6328, 54.2636, 51.7849

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.7993, 61.6622, 44.7682 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(128, 226, 164)` looks like.

```
.text, #text, p{  
    color:rgb(128, 226, 164)  
}
```

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(128, 226, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 226, 164) }
```

Border

The CSS property to change the border of an element to XYZ 42.7993, 61.6622, 44.7682 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(128, 226, 164) }
```


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

```
.border{ border-color:rgb(128, 226, 164) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 226, 164)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 226, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 226, 164);  
box-shadow:4px 4px 4px 4px rgb(128, 226,  
164) }
```

Background

The CSS property to change the background color of an element to XYZ 42.7993, 61.6622, 44.7682 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 226, 164) }
```

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

```
.background{ background-color: rgb(128,  
226, 164) }
```

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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