

Converting Colors

XYZ(41.7145, 61.8634, 41.0819)

Have a look what the booklet for
XYZ(41.7145, 61.8634, 41.0819)
contains.

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Color

**XYZ(41.7702, 62.0247,
41.2229)**

Conversions

Conversions Part 1

Format	Color
Hex	7AE49C
RGB	122, 228, 156
RGB Percent	48%, 89%, 61%
CMY	0.5216, 0.1059, 0.3882
CMYK	0.46, 0.00, 0.32, 0.11
HSL	139°, 66%, 69%
HSV	139°, 46%, 89%
XYZ	41.7702, 62.0247, 41.2229
YIQ	188.0980, -40.0640, -44.8640

Conversions

Conversions Part 2

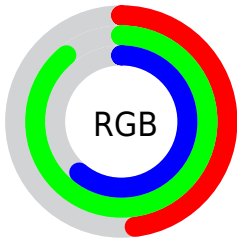
Format	Color
RYB	122, 202, 228
Decimal	8053916
CIELab	82.93, -46.27, 25.88
CIELCh	83, 53.011, 150.780
Yxy	62.0247, 0.2880, 0.4277
Android (android.graphics.Color)	4286243996 (0xFF7AE49C)
YUV	188.0980, -15.8243, -57.9679
Hunter-Lab	78.7558, -43.1504, 24.0950

Details

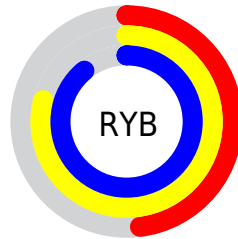
The XYZ color **41.7702, 62.0247, 41.2229** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **48.6941, 34.3094, 55.0972**, and the grayscale version is **47.9604, 50.4581, 54.9488**.

A 20% lighter version of the original color is **66.1083, 85.8069, 74.7061**, and **19.3656, 31.5945, 18.1744** is the 20% darker color. If you saturate the color by 10%, you get **37.6839, 60.0619, 34.6175**, and if you desaturate by 10%, it is **46.7842, 64.4499, 48.7474**.

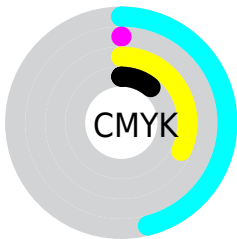
Distribution



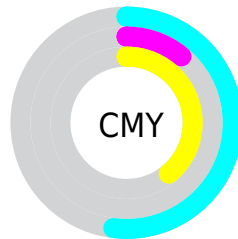
- Red (48%)
- Green (89%)
- Blue (61%)



- Red (48%)
- Yellow (79%)
- Blue (89%)



- Cyan (46%)
- Magenta (0%)
- Yellow (32%)
- Black (11%)





- Cyan (52%)
- Magenta (11%)
- Yellow (39%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 41.7702, 62.0247, 41.2229 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 41.7702, 62.0247, 41.2229 by changing the saturation by 10% instead.


 41.7702, 62.0247,
41.2229


 41.7702, 62.0247,
41.2229


344.5373,
432.0212, 366.9556


 29.1117, 45.0527,
28.1723


 77.1191, 107.7612,
78.2795

 19.3101, 31.4989,
18.2154


 100.5402,
137.2945, 103.1225

 11.9999, 20.9790,
10.9337


 128.2795,
171.7836, 132.7335

 6.8158, 13.1087,
5.9087

160.7024,
211.6131, 167.5309

 3.3925, 7.5034,
2.7217

198.1743,
257.1671, 207.9332

 1.3645, 3.7789,
0.9543

241.0605,

 0.2308, 1.5507,

308.8302, 254.3591

0.0000

289.7264,
366.9868, 307.2270

■ 0.0000, 0.3240,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 41.7702, 62.0247,
41.2229

■ 41.7702, 62.0247,
41.2229

■ 37.6839, 60.0619,
34.6175

■ 46.7842, 64.4499,
48.7474

■ 34.4605, 58.5235,
28.8913


■ 52.7757, 67.3573,
57.2202


■ 32.0341, 57.3782,
24.0078


■ 59.7963, 70.7746,
66.6747

■ 30.3264, 56.5865,
19.9262


■ 67.8927, 74.7251,
77.1410

 29.2403, 56.0990,
16.6017

 77.1086, 79.2310,
88.6484

 28.9516, 55.9720,
15.6042

 86.0718, 83.5841,
101.1583

 87.0346, 83.9692,
106.2282

Harmonies

Analogous

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



48.4016, 62.0247, 26.5950



41.7702, 62.0247, 41.2229



39.5873, 62.0247, 68.3950

Triad

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



41.7702, 62.0247, 41.2229



59.2524, 62.0247, 152.0918



79.9320, 62.0247, 40.1640

Complementary

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



41.7702, 62.0247, 41.2229



48.6941, 34.3094, 55.0972

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.



83.7837, 62.0247, 66.6810



41.7702, 62.0247, 41.2229



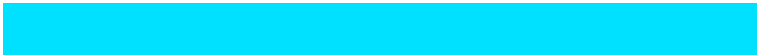
70.9352, 62.0247, 137.3651

Square

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



41.7702, 62.0247, 41.2229



48.8575, 62.0247, 138.7454



80.2991, 62.0247, 103.1735



70.3505, 62.0247, 26.1372

Rectangle

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



41.7702, 62.0247, 41.2229



40.6927, 62.0247, 92.4282



80.2991, 62.0247, 103.1735



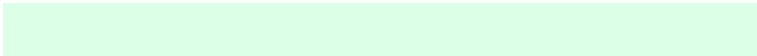
81.9913, 62.0247, 47.5671

Sweetspot

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



41.7718, 62.0273, 41.2243



79.4524, 92.3821, 89.0608



53.6180, 68.4216, 28.7937



16.5453, 19.5489, 18.4584



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.



41.7718, 62.0273, 41.2243



48.6394, 77.4466, 44.7343



47.2264, 64.2091, 69.9477



14.3789, 16.1650, 16.2600



16.7649, 32.3381, 9.2625



1.2801, 2.4061, 0.9013

Inverse Universe

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



48.6941, 34.3094, 55.0972



58.5893, 37.5057, 64.6008



43.7962, 32.3503, 29.3055



14.7881, 14.5324, 17.0846



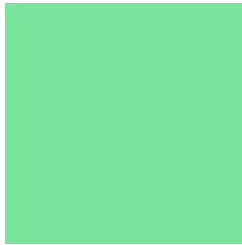
21.9413, 10.9108, 19.1179



1.6633, 0.8230, 1.6336

Previews

White Background



This preview shows how the XYZ color 41.7702, 62.0247, 41.2229 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 41.7702, 62.0247, 41.2229 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 41.7702, 62.0247, 41.2229

Background



This preview shows how black text looks on a background with the XYZ color 41.7702, 62.0247, 41.2229.



This preview shows how white text looks on a background with the XYZ color 41.7702, 62.0247,

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

41.7702, 62.0247, 41.2229

Protanopia

56.8384, 61.1101, 35.9939

Deuteranopia

62.1737, 60.9276, 43.1336



Tritanopia

51.1962, 61.8617, 88.5990

Trichromacy



Original Color

41.7702, 62.0247, 41.2229



Protanomaly

49.3069, 60.1048, 37.8568



Deuteranomaly

51.6660, 59.3856, 41.9972



Tritanomaly

47.2153, 61.8159, 68.4746

Monochromacy



Original Color

41.7702, 62.0247, 41.2229



Achromatopsia

47.7994, 50.2886, 54.7643



Achromatomaly

44.5023, 53.7390, 49.1014

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.7702, 62.0247, 41.2229 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(122, 228, 156)` looks like.

```
.text, #text, p{  
    color:rgb(122, 228, 156)  
}
```

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(122, 228, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 228, 156) }
```

Border

The CSS property to change the border of an element to XYZ 41.7702, 62.0247, 41.2229 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(122, 228, 156) }
```


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

```
.border{ border-color:rgb(122, 228, 156) }
```

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

Here you see how a box with a 4 pixel rgb(122, 228, 156) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 228, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 228, 156);  
box-shadow:4px 4px 4px 4px rgb(122, 228,  
156) }
```

Background

The CSS property to change the background color of an element to XYZ 41.7702, 62.0247, 41.2229 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 228, 156) }
```

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

```
.background{ background-color: rgb(122,  
228, 156) }
```

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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