

Converting Colors

XYZ(41.8700, 62.0324, 44.4869)

Have a look what the booklet for
XYZ(41.8700, 62.0324, 44.4869)
contains.

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Color

**XYZ(41.8255, 61.9827,
44.4098)**

Conversions

Conversions Part 1

Format	Color
Hex	76E4A3
RGB	118, 228, 163
RGB Percent	46%, 89%, 64%
CMY	0.5372, 0.1059, 0.3608
CMYK	0.48, 0.00, 0.29, 0.11
HSL	145°, 67%, 68%
HSV	145°, 48%, 89%
XYZ	41.8255, 61.9827, 44.4098
YIQ	187.7000, -44.6950, -43.5350

Conversions

Conversions Part 2

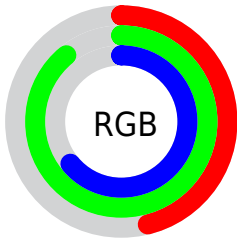
Format	Color
RYB	118, 196, 228
Decimal	7791779
CIELab	82.90, -46.00, 22.20
CIELCh	83, 51.080, 154.235
Yxy	61.9827, 0.2822, 0.4182
Android (android.graphics.Color)	4285981859 (0xFF76E4A3)
YUV	187.7000, -12.1771, -61.1269
Hunter-Lab	78.7291, -42.9463, 21.6658

Details

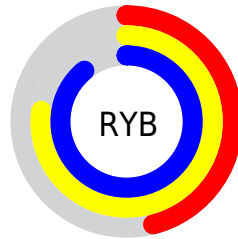
The XYZ color **41.8255, 61.9827, 44.4098** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **47.0226, 32.8711, 48.6685**, and the grayscale version is **47.7162, 50.2011, 54.6690**.

A 20% lighter version of the original color is **66.3194, 85.8121, 79.3977**, and **19.3667, 31.5523, 20.1084** is the 20% darker color. If you saturate the color by 10%, you get **37.9520, 60.1197, 38.2597**, and if you desaturate by 10%, it is **46.5791, 64.2880, 51.2752**.

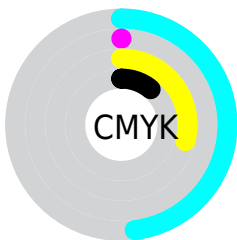
Distribution



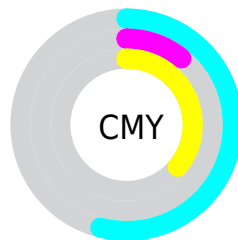
- Red (46%)
- Green (89%)
- Blue (64%)



- Red (46%)
- Yellow (77%)
- Blue (89%)



- Cyan (48%)
- Magenta (0%)
- Yellow (29%)
- Black (11%)





- Cyan (54%)
- Magenta (11%)
- Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 41.8255, 61.9827, 44.4098 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 41.8255, 61.9827, 44.4098 by changing the saturation by 10% instead.


 41.8255, 61.9827,
44.4098


 41.8255, 61.9827,
44.4098


344.7630,
431.8680, 380.4681


 29.1552, 45.0187,
30.6532


 77.2023, 107.7005,
83.1431

 19.3431, 31.4722,
20.0787


 100.6395,
137.2232, 108.9569

 12.0239, 20.9587,
12.2676


 128.3963,
171.7008, 139.6269

 6.8323, 13.0938,
6.8015

160.8382,
211.5179, 175.5715

 3.4028, 7.4932,
3.2617

198.3304,
257.0587, 217.2095

 1.3702, 3.7724,
1.2298

241.2384,

 0.2348, 1.5471,

308.7077, 264.9592

0.0032

289.9275,
366.8494, 319.2392

■ 0.0000, 0.3215,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 41.8255, 61.9827,
44.4098

■ 41.8255, 61.9827,
44.4098

■ 37.9520, 60.1197,
38.2597

■ 46.5791, 64.2880,
51.2752

■ 34.8950, 58.6615,
32.7970


■ 52.2612, 67.0549,
58.8741


■ 32.5894, 57.5767,
27.9980


■ 58.9223, 70.3108,
67.2295


■ 30.9575, 56.8259,
23.8358

■ 66.6075, 74.0785,
76.3619

 29.8892, 56.3528,
20.2806

 75.3594, 78.3795,
86.2910

 29.7324, 56.2843,
19.7163

 85.2178, 83.2341,
97.0358

 87.0345, 83.9691,
106.2282

Harmonies

Analogous

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



47.7842, 61.9827, 28.7409



41.8255, 61.9827, 44.4098



40.2171, 61.9827, 72.0669

Triad

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



41.8255, 61.9827, 44.4098



60.4903, 61.9827, 147.8370



78.2115, 61.9827, 38.7960

Complementary

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



41.8255, 61.9827, 44.4098



47.0226, 32.8711, 48.6685

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.



82.6552, 61.9827, 63.1084



41.8255, 61.9827, 44.4098



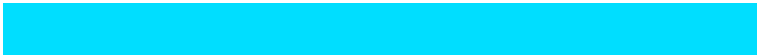
71.6473, 61.9827, 131.0699

Square

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



41.8255, 61.9827, 44.4098



50.1788, 61.9827, 138.1656



80.1156, 61.9827, 97.4326



68.6054, 61.9827, 26.2797

Rectangle

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



41.8255, 61.9827, 44.4098



41.6356, 61.9827, 95.5694



80.1156, 61.9827, 97.4326



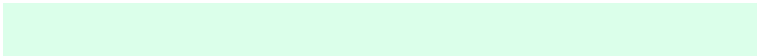
80.4094, 61.9827, 45.5297

Sweetspot

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



41.8271, 61.9852, 44.4112



79.9013, 92.5617, 91.4248



50.7827, 66.9879, 27.3937



16.6540, 19.5924, 19.0308



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.



41.8271, 61.9852, 44.4112



48.8664, 77.4644, 49.2290



47.7410, 64.3508, 75.5531



14.4325, 16.1864, 16.5424



17.2234, 32.5215, 11.6766



1.3179, 2.4213, 1.1007

Inverse Universe

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



47.0226, 32.8711, 48.6685



56.3016, 35.7136, 55.2578



42.4375, 31.0371, 24.5238



14.7326, 14.5102, 16.7920



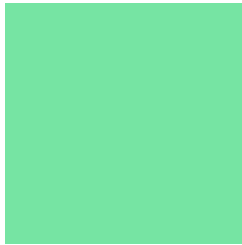
21.0495, 10.5540, 14.4216



1.6013, 0.7982, 1.3071

Previews

White Background



This preview shows how the XYZ color 41.8255, 61.9827, 44.4098 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 41.8255, 61.9827, 44.4098 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 41.8255, 61.9827, 44.4098

Background



This preview shows how black text looks on a background with the XYZ color 41.8255, 61.9827, 44.4098.

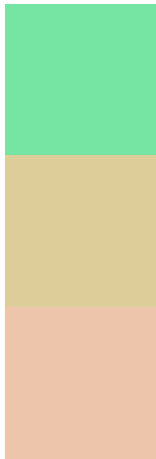


This preview shows how white text looks on a background with the XYZ color 41.8255, 61.9827,

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

41.8255, 61.9827, 44.4098

Protanopia

57.0963, 61.1782, 38.9363

Deuteranopia

62.1470, 60.8393, 46.4979



Tritanopia

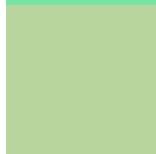
50.7884, 62.0375, 88.6545

Trichromacy



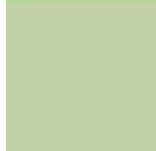
Original Color

41.8255, 61.9827, 44.4098



Protanomaly

49.4085, 60.0901, 40.8927



Deuteranomaly

51.7791, 59.3711, 45.2899



Tritanomaly

46.8358, 61.5918, 69.7415

Monochromacy



Original Color

41.8255, 61.9827, 44.4098



Achromatopsia

47.7994, 50.2886, 54.7643



Achromatomaly

44.5969, 53.7531, 50.6727

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.8255, 61.9827, 44.4098 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(118, 228, 163)` looks like.

```
.text, #text, p{  
    color:rgb(118, 228, 163)  
}
```

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(118, 228, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 228, 163) }
```

Border

The CSS property to change the border of an element to XYZ 41.8255, 61.9827, 44.4098 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(118, 228, 163) }
```


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

```
.border{ border-color:rgb(118, 228, 163) }
```

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

Here you see how a box with a 4 pixel rgb(118, 228, 163) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 228, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 228, 163);  
box-shadow:4px 4px 4px 4px rgb(118, 228,  
163) }
```

Background

The CSS property to change the background color of an element to XYZ 41.8255, 61.9827, 44.4098 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 228, 163) }
```

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

```
.background{ background-color: rgb(118,  
228, 163) }
```

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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