

Converting Colors

XYZ(41.7226, 61.0372, 50.1313)

Have a look what the booklet for
XYZ(41.7226, 61.0372, 50.1313)
contains.

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Color

**XYZ(41.7443, 60.9986,
50.1312)**

Conversions

Conversions Part 1

Format	Color
Hex	71E2AF
RGB	113, 226, 175
RGB Percent	44%, 89%, 69%
CMY	0.5569, 0.1137, 0.3137
CMYK	0.50, 0.00, 0.23, 0.11
HSL	153°, 66%, 66%
HSV	153°, 50%, 89%
XYZ	41.7443, 60.9986, 50.1312
YIQ	186.3990, -50.9770, -39.8170

Conversions

Conversions Part 2

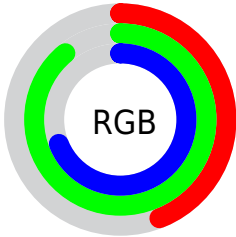
Format	Color
RYB	113, 186, 226
Decimal	7463599
CIELab	82.38, -43.98, 15.18
CIElCh	82, 46.526, 160.955
Yxy	60.9986, 0.2731, 0.3990
Android (android.graphics.Color)	4285653679 (0xFF71E2AF)
YUV	186.3990, -5.6197, -64.3709
Hunter-Lab	78.1016, -41.2718, 16.6146

Details

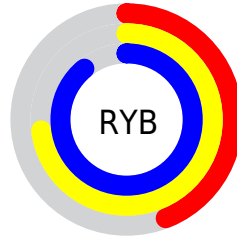
The XYZ color **41.7443, 60.9986, 50.1312** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **43.9721, 30.6608, 38.7249**, and the grayscale version is **46.9484, 49.3933, 53.7893**.

A 20% lighter version of the original color is **66.9784, 85.9474, 88.6607**, and **19.3038, 30.8847, 23.3563** is the 20% darker color. If you saturate the color by 10%, you get **38.2266, 59.2982, 44.9336**, and if you desaturate by 10%, it is **46.0648, 63.1074, 55.7642**.

Distribution



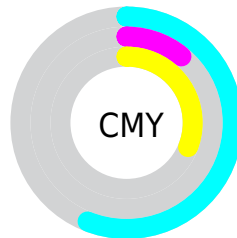
- Red (44%)
- Green (89%)
- Blue (69%)



- Red (44%)
- Yellow (73%)
- Blue (89%)



- Cyan (50%)
- Magenta (0%)
- Yellow (23%)
- Black (11%)





- Cyan (56%)
- Magenta (11%)
- Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 41.7443, 60.9986, 50.1312 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 41.7443, 60.9986, 50.1312 by changing the saturation by 10% instead.


 41.7443, 60.9986,
50.1312


 41.7443, 60.9986,
50.1312


344.4316,
428.2689, 403.9286


 29.0914, 44.2240,
35.1457


 77.0801, 106.2769,
91.7675

 19.2946, 30.8467,
23.4907


 100.4936,
135.5494, 119.2555

 11.9886, 20.4821,
14.7476


 128.2248,
169.7568, 151.7481

 6.8081, 12.7460,
8.4978

160.6388,
209.2833, 189.6638

 3.3876, 7.2539,
4.3228

198.1012,
254.5133, 233.4211

 1.3619, 3.6214,
1.8040

240.9772,

 0.2288, 1.4641,

305.8313, 283.4387

0.4306

289.6322,
363.6217, 340.1350

■ 0.0000, 0.2633,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 41.7443, 60.9986,
50.1312

■ 41.7443, 60.9986,
50.1312

■ 38.2266, 59.2982,
44.9336

■ 46.0648, 63.1074,
55.7642

■ 35.4505, 57.9700,
40.1558


■ 51.2341, 65.6431,
61.8390


■ 33.3533, 56.9833,
35.7873


■ 57.3001, 68.6320,
68.3675


■ 31.8588, 56.2992,
31.8152


■ 64.3057, 72.0961,
75.3596

 30.8355, 55.8502,
28.2236

 72.2911, 76.0557,
82.8248

 30.8355, 55.8502,
28.2234

 81.2940, 80.5303,
90.7723

 85.1343, 82.3337,
98.9204

 86.4875, 82.8749,
106.0458

Harmonies

Analogous

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



46.3466, 60.9986, 33.1007



41.7443, 60.9986, 50.1312



41.1870, 60.9986, 77.3543

Triad

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



41.7443, 60.9986, 50.1312



61.6801, 60.9986, 135.8238



73.6173, 60.9986, 36.6478

Complementary

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



41.7443, 60.9986, 50.1312



43.9721, 30.6608, 38.7249

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.



78.8042, 60.9986, 56.5627



41.7443, 60.9986, 50.1312



71.4073, 60.9986, 116.8353

Square

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



41.7443, 60.9986, 50.1312



51.9703, 60.9986, 132.6336



77.9523, 60.9986, 85.8957



64.4303, 60.9986, 26.9917

Rectangle

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



41.7443, 60.9986, 50.1312



43.1031, 60.9986, 98.6825



77.9523, 60.9986, 85.8957



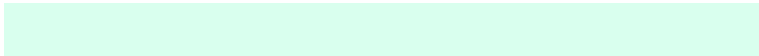
75.9314, 60.9986, 42.0845

Sweetspot

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



41.7459, 61.0011, 50.1326



79.6949, 92.3910, 94.3187



45.8490, 63.6658, 25.4959



16.6463, 19.5720, 19.7738



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.



41.7459, 61.0011, 50.1326



50.0965, 77.8876, 58.8170



46.7228, 61.3709, 81.3377



13.8419, 15.4625, 16.2025



17.6516, 31.8855, 16.4205



1.2685, 2.2281, 1.3750

Inverse Universe

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



43.9721, 30.6608, 38.7249



53.3473, 33.7051, 42.2497



40.6806, 30.0307, 19.2760



13.9631, 13.8029, 15.5760



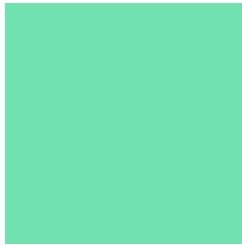
19.3196, 9.7948, 8.3486



1.3838, 0.6968, 0.8139

Previews

White Background



This preview shows how the XYZ color 41.7443, 60.9986, 50.1312 looks on a white background.

Color Contrast Check

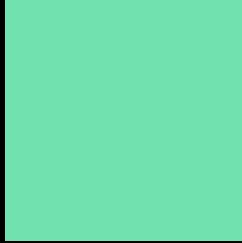
Large Text (above 18pt) WCAG AA × Fail

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 41.7443, 60.9986, 50.1312 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

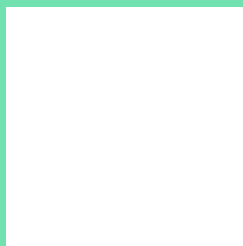
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 41.7443, 60.9986, 50.1312

Background



This preview shows how black text looks on a background with the XYZ color 41.7443, 60.9986, 50.1312.

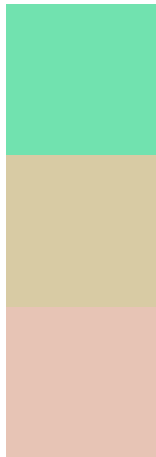


This preview shows how white text looks on a background with the XYZ color 41.7443, 60.9986,

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

41.7443, 60.9986, 50.1312

Protanopia

56.3757, 59.9911, 43.7301

Deuteranopia

61.0354, 59.8050, 52.0427



Tritanopia

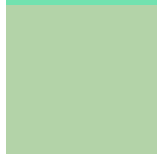
49.2727, 60.8868, 87.7526

Trichromacy



Original Color

41.7443, 60.9986, 50.1312



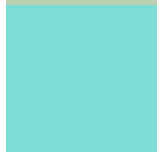
Protanomaly

48.9526, 58.9994, 45.8537



Deuteranomaly

51.1885, 58.5717, 51.2554



Tritanomaly

46.1789, 60.8021, 72.2529

Monochromacy



Original Color

41.7443, 60.9986, 50.1312



Achromatopsia

46.6715, 49.1021, 53.4722



Achromatomaly

43.6282, 52.5216, 52.0942

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.7443, 60.9986, 50.1312 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(113, 226, 175)` looks like.

```
.text, #text, p{  
    color:rgb(113, 226, 175)  
}
```

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(113, 226, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(113, 226, 175) }
```

Border

The CSS property to change the border of an element to XYZ 41.7443, 60.9986, 50.1312 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(113, 226, 175) }
```


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

```
.border{ border-color:rgb(113, 226, 175) }
```

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

Here you see how a box with a 4 pixel `rgb(113, 226, 175)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(113, 226, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(113, 226, 175);  
box-shadow:4px 4px 4px 4px rgb(113, 226,  
175) }
```

Background

The CSS property to change the background color of an element to XYZ 41.7443, 60.9986, 50.1312 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(113, 226, 175) }
```

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

```
.background{ background-color: rgb(113,  
226, 175) }
```

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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