

Converting Colors

XYZ(41.2761, 65.6485, 46.8290)

Have a look what the booklet for
XYZ(41.2761, 65.6485, 46.8290)
contains.

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Color

**XYZ(41.4801, 65.9653,
47.1056)**

Conversions

Conversions Part 1

Format	Color
Hex	57EEA7
RGB	87, 238, 167
RGB Percent	34%, 93%, 65%
CMY	0.6588, 0.0667, 0.3451
CMYK	0.63, 0.00, 0.30, 0.07
HSL	152°, 82%, 64%
HSV	152°, 63%, 93%
XYZ	41.4801, 65.9653, 47.1056
YIQ	184.7570, -67.2050, -54.0930

Conversions

Conversions Part 2

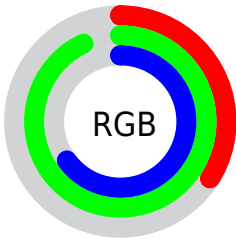
Format	Color
RYB	87, 186, 238
Decimal	5762727
CIELab	84.98, -55.99, 22.84
CIElCh	85, 60.471, 157.811
Yxy	65.9653, 0.2684, 0.4268
Android (android.graphics.Color)	4283952807 (0xFF57EEA7)
YUV	184.7570, -8.7542, -85.7329
Hunter-Lab	81.2190, -50.9700, 22.4662

Details

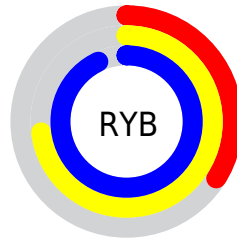
The XYZ color **41.4801, 65.9653, 47.1056** is a light color, and the websafe version is hex **66FFCC**. The color can be described as light muted spring green. A complement of this color would be **44.8418, 27.4637, 35.2880**, and the grayscale version is **46.0545, 48.4529, 52.7652**.

A 20% lighter version of the original color is **61.5225, 83.2780, 81.9389**, and **19.6184, 34.2856, 21.8034** is the 20% darker color. If you saturate the color by 10%, you get **38.6234, 64.6088, 41.8038**, and if you desaturate by 10%, it is **45.1620, 67.7404, 52.9163**.

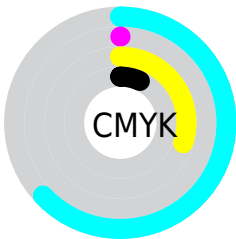
Distribution



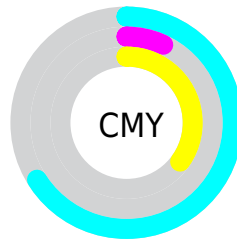
- Red (34%)
- Green (93%)
- Blue (65%)



- Red (34%)
- Yellow (73%)
- Blue (93%)



- Cyan (63%)
- Magenta (0%)
- Yellow (30%)
- Black (7%)




- Cyan (66%)
- Magenta (7%)
- Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 41.4801, 65.9653, 47.1056 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 41.4801, 65.9653, 47.1056 by changing the saturation by 10% instead.


 41.4801, 65.9653,
47.1056


 41.4801, 65.9653,
47.1056


343.3516,
446.2528, 391.6418


 28.8837, 48.2442,
32.7642


 76.6823, 113.4365,
87.2229


 19.1367, 34.0203,
21.6762


 100.0188,
143.9555, 113.8358

 11.8737, 22.9092,
13.4232


 127.6661,
179.5092, 145.3763

 6.7293, 14.5265,
7.5864

 159.9895,
220.4820, 182.2630

 3.3382, 8.4878,
3.7475

197.3545,
267.2584, 224.9144

 1.3350, 4.4086,
1.4879

240.1262,

 0.2092, 1.9047,

320.2227, 273.7489

0.2089

288.6701,
379.7594, 329.1852

■ 0.0000, 0.5512,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 41.4801, 65.9653,
47.1056

■ 41.4801, 65.9653,
47.1056

■ 38.6234, 64.6088,
41.8038

■ 45.1620, 67.7404,
52.9163

■ 36.5093, 63.6233,
36.9910


■ 49.7311, 69.9605,
59.2460


■ 35.0460, 62.9634,
32.6520


■ 55.2489, 72.6588,
66.1098

■ 34.3475, 62.6601,
30.0541

■ 61.7701, 75.8633,
73.5209

 69.3447, 79.5996,
81.4920

 78.0196, 83.8915,
90.0352

 87.8386, 88.7616,
99.1623

 89.8657, 89.6314,
107.1719

Harmonies

Analogous

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



48.0030, 65.9653, 27.4382



41.4801, 65.9653, 47.1056



40.2080, 65.9653, 82.4842

Triad

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



41.4801, 65.9653, 47.1056



66.3171, 65.9653, 174.4140



85.6928, 65.9653, 35.0191

Complementary

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



41.4801, 65.9653, 47.1056



44.8418, 27.4637, 35.2880

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.



92.3153, 65.9653, 62.1261



41.4801, 65.9653, 47.1056



80.1222, 65.9653, 148.6619

Square

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



41.4801, 65.9653, 47.1056



53.3375, 65.9653, 165.8011



90.1417, 65.9653, 103.9597



73.0942, 65.9653, 22.4239

Rectangle

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



41.4801, 65.9653, 47.1056



42.3080, 65.9653, 112.7071



90.1417, 65.9653, 103.9597



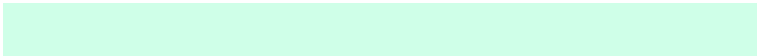
88.7688, 65.9653, 42.2599

Sweetspot

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



41.4818, 65.9680, 47.1071



75.9631, 90.5593, 89.9826



46.7909, 69.3119, 19.9301



15.7309, 19.1230, 18.6955



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.



41.4818, 65.9680, 47.1071



44.3862, 75.1942, 47.2365



49.2121, 67.8958, 91.4035



15.9159, 17.7964, 18.5799



19.2278, 34.9831, 17.1142



1.6498, 2.9304, 1.6884

Inverse Universe

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



44.8418, 27.4637, 35.2880



48.6137, 26.8966, 32.4756



40.5976, 26.0978, 11.9154



16.0822, 15.8826, 17.9889



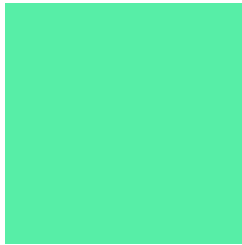
21.3645, 10.8182, 9.8362



1.8272, 0.9199, 1.0809

Previews

White Background



This preview shows how the XYZ color 41.4801, 65.9653, 47.1056 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 41.4801, 65.9653, 47.1056 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

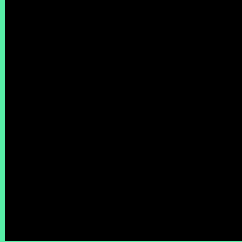
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 41.4801, 65.9653, 47.1056

Background



This preview shows how black text looks on a background with the XYZ color 41.4801, 65.9653, 47.1056.

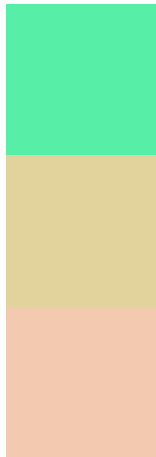


This preview shows how white text looks on a background with the XYZ color 41.4801, 65.9653,

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

41.4801, 65.9653, 47.1056

Protanopia

60.3270, 64.6285, 40.3053

Deuteranopia

65.8205, 64.3909, 49.5170



Tritanopia

51.4482, 65.7855, 97.1750

Trichromacy



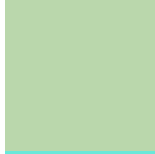
Original Color

41.4801, 65.9653, 47.1056



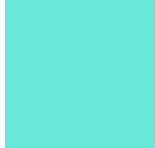
Protanomaly

49.5304, 62.8036, 42.3127



Deuteranomaly

51.9965, 62.0185, 48.2600



Tritanomaly

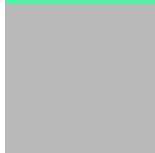
47.2067, 65.7262, 75.8440

Monochromacy



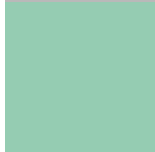
Original Color

41.4801, 65.9653, 47.1056



Achromatopsia

46.1135, 48.5150, 52.8328



Achromatomaly

42.0232, 52.7896, 50.0940

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.4801, 65.9653, 47.1056 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(87, 238, 167)` looks like.

```
.text, #text, p{  
    color:rgb(87, 238, 167)  
}
```

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(87, 238, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 238, 167) }
```

Border

The CSS property to change the border of an element to XYZ 41.4801, 65.9653, 47.1056 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(87, 238, 167) }
```


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

```
.border{ border-color:rgb(87, 238, 167) }
```

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

Here you see how a box with a 4 pixel `rgb(87, 238, 167)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 238, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 238, 167);  
box-shadow:4px 4px 4px 4px rgb(87, 238,  
167) }
```

Background

The CSS property to change the background color of an element to XYZ 41.4801, 65.9653, 47.1056 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 238, 167) }
```

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

```
.background{ background-color: rgb(87, 238,  
167) }
```

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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