

Converting Colors

XYZ(41.8318, 61.4895, 47.4435)

Have a look what the booklet for
XYZ(41.8318, 61.4895, 47.4435)
contains.

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Color

**XYZ(41.8330, 61.5157,
47.2050)**

Conversions

Conversions Part 1

Format	Color
Hex	74E3A9
RGB	116, 227, 169
RGB Percent	45%, 89%, 66%
CMY	0.5451, 0.1098, 0.3372
CMYK	0.49, 0.00, 0.26, 0.11
HSL	149°, 66%, 67%
HSV	149°, 49%, 89%
XYZ	41.8330, 61.5157, 47.2050
YIQ	187.1990, -47.5380, -41.5700

Conversions

Conversions Part 2

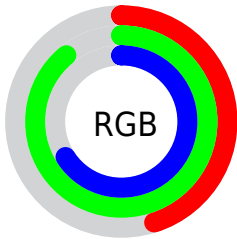
Format	Color
RYB	116, 191, 227
Decimal	7660457
CIELab	82.66, -44.91, 18.73
CIElCh	83, 48.653, 157.364
Yxy	61.5157, 0.2779, 0.4086
Android (android.graphics.Color)	4285850537 (0xFF74E3A9)
YUV	187.1990, -8.9721, -62.4415
Hunter-Lab	78.4319, -42.0499, 19.2181

Details

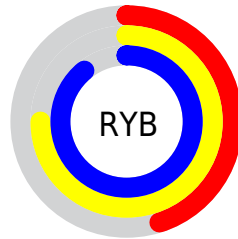
The XYZ color **41.8330, 61.5157, 47.2050** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **45.5660, 31.8792, 43.7986**, and the grayscale version is **47.4161, 49.8854, 54.3252**.

A 20% lighter version of the original color is **66.6701, 85.9005, 83.5876**, and **19.4047, 31.2509, 21.8389** is the 20% darker color. If you saturate the color by 10%, you get **38.1128, 59.7224, 41.4799**, and if you desaturate by 10%, it is **46.3947, 63.7344, 53.4995**.

Distribution



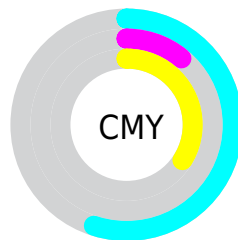
- Red (45%)
- Green (89%)
- Blue (66%)



- Red (45%)
- Yellow (75%)
- Blue (89%)



- Cyan (49%)
- Magenta (0%)
- Yellow (26%)
- Black (11%)





- Cyan (55%)
- Magenta (11%)
- Yellow (34%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 41.8330, 61.5157, 47.2050 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 41.8330, 61.5157, 47.2050 by changing the saturation by 10% instead.


 41.8330, 61.5157,
47.2050


 41.8330, 61.5157,
47.2050


344.7936,
430.1623, 392.0496


 29.1611, 44.6415,
32.8422


 77.2136, 107.0253,
87.3727

 19.3476, 31.1751,
21.7355


 100.6529,
136.4294, 114.0148

 12.0272, 20.7322,
13.4662


 128.4122,
170.7790, 145.5870

 6.8345, 12.9284,
7.6159

160.8566,
210.4584, 182.5079

 3.4042, 7.3793,
3.7659

198.3516,
255.8521, 225.1961

 1.3710, 3.7004,
1.4978

241.2625,

 0.2354, 1.5074,

307.3444, 274.0701

0.2163

289.9548,
365.3196, 329.5484

■ 0.0000, 0.2939,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 41.8330, 61.5157,
47.2050

■ 41.8330, 61.5157,
47.2050

■ 38.1128, 59.7224,
41.4799

■ 46.3947, 63.7344,
53.4995

■ 35.1720, 58.3179,
36.3035


■ 51.8447, 66.3974,
60.3752


■ 32.9470, 57.2713,
31.6596


■ 58.2320, 69.5314,
67.8485


■ 31.3614, 56.5437,
27.5292

■ 65.6005, 73.1587,
75.9341


 30.2993, 56.0756,
23.8912

 73.9914, 77.3003,
84.6459

 30.1976, 56.0313,
23.5190

 83.4433, 81.9757,
93.9975

 86.2863, 83.2308,
103.6413

 86.7602, 83.4204,
106.1367

Harmonies

Analogous

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



47.1155, 61.5157, 30.8967



41.8330, 61.5157, 47.2050



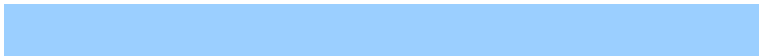
40.7384, 61.5157, 74.6204

Triad

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



41.8330, 61.5157, 47.2050



61.0790, 61.5157, 141.6811



75.9140, 61.5157, 37.8038

Complementary

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



41.8330, 61.5157, 47.2050



45.5660, 31.8792, 43.7986

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.



80.7161, 61.5157, 59.8800



41.8330, 61.5157, 47.2050



71.5135, 61.5157, 123.8340

Square

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



41.8330, 61.5157, 47.2050



51.0799, 61.5157, 135.2660



79.0167, 61.5157, 91.6258



66.5380, 61.5157, 26.7041

Rectangle

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



41.8330, 61.5157, 47.2050



42.3952, 61.5157, 97.0241



79.0167, 61.5157, 91.6258



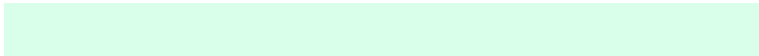
78.1645, 61.5157, 43.8828

Sweetspot

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



41.8346, 61.5182, 47.2064



79.2983, 92.2323, 92.2303



48.3476, 65.3389, 26.5874



16.5509, 19.5338, 19.2714



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.



41.8346, 61.5182, 47.2064



49.4076, 77.6459, 53.6572



48.0333, 63.9977, 79.8483



14.4745, 16.2032, 16.7633



17.6688, 32.6996, 14.0222



1.3524, 2.4351, 1.2821

Inverse Universe

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



45.5660, 31.8792, 43.7986



54.8103, 34.6975, 48.6985



41.2977, 30.1719, 21.3220



14.6900, 14.4932, 16.5678



20.4629, 10.3194, 11.3326



1.5590, 0.7813, 1.0844

Previews

White Background



This preview shows how the XYZ color 41.8330, 61.5157, 47.2050 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 41.8330, 61.5157, 47.2050 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

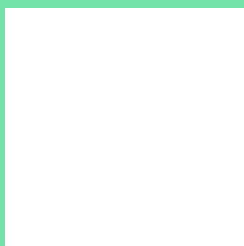
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 41.8330, 61.5157, 47.2050

Background



This preview shows how black text looks on a background with the XYZ color 41.8330, 61.5157, 47.2050.



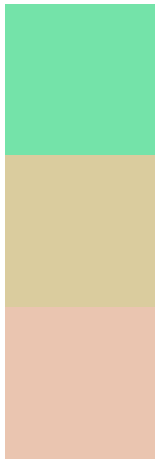
This preview shows how white text looks on a background with the XYZ color 41.8330, 61.5157,

47.2050.

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

41.8330, 61.5157, 47.2050

Protanopia

56.6779, 60.5598, 41.0497

Deuteranopia

61.7344, 60.5595, 49.5097



Tritanopia

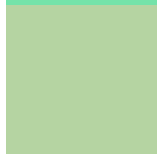
50.0432, 61.2673, 88.5451

Trichromacy



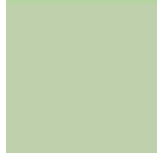
Original Color

41.8330, 61.5157, 47.2050



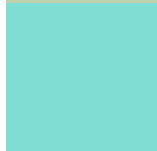
Protanomaly

49.1211, 59.5194, 43.0818



Deuteranomaly

51.5846, 59.2052, 48.2441



Tritanomaly

46.4925, 60.9784, 71.6069

Monochromacy



Original Color

41.8330, 61.5157, 47.2050



Achromatopsia

47.2335, 49.6933, 54.1160



Achromatomaly

44.0567, 53.1134, 51.1099

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.8330, 61.5157, 47.2050 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(116, 227, 169)` looks like.

```
.text, #text, p{  
    color:rgb(116, 227, 169)  
}
```

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(116, 227, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 227, 169) }
```

Border

The CSS property to change the border of an element to XYZ 41.8330, 61.5157, 47.2050 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(116, 227, 169) }
```


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

```
.border{ border-color:rgb(116, 227, 169) }
```

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

Here you see how a box with a 4 pixel rgb(116, 227, 169) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 227, 169); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 227, 169);  
box-shadow:4px 4px 4px 4px rgb(116, 227,  
169) }
```

Background

The CSS property to change the background color of an element to XYZ 41.8330, 61.5157, 47.2050 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 227, 169) }
```

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

```
.background{ background-color: rgb(116,  
227, 169) }
```

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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