

Converting Colors

XYZ(33.7293, 45.6195, 46.9501)

Have a look what the booklet for
XYZ(33.7293, 45.6195, 46.9501)
contains.

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Color

**XYZ(33.7106, 45.4657,
47.0434)**

Conversions

Conversions Part 1

Format	Color
Hex	6FC3AE
RGB	111, 195, 174
RGB Percent	44%, 76%, 68%
CMY	0.5647, 0.2353, 0.3176
CMYK	0.43, 0.00, 0.11, 0.24
HSL	165°, 41%, 60%
HSV	165°, 43%, 76%
XYZ	33.7106, 45.4657, 47.0434
YIQ	167.4900, -43.3230, -24.3390

Conversions

Conversions Part 2

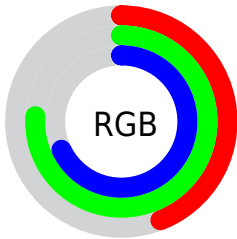
Format	Color
RYB	111, 159, 195
Decimal	7324590
CIELab	73.20, -30.55, 2.59
CIElCh	73, 30.656, 175.150
Yxy	45.4657, 0.2671, 0.3602
Android (android.graphics.Color)	4285514670 (0xFF6FC3AE)
YUV	167.4900, 3.2094, -49.5417
Hunter-Lab	67.4283, -28.7588, 5.8343

Details

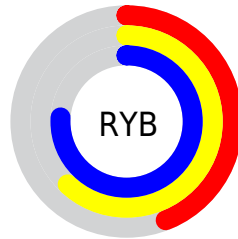
The XYZ color **33.7106, 45.4657, 47.0434** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **32.3565, 24.6381, 24.8817**, and the grayscale version is **36.9707, 38.8960, 42.3577**.

A 20% lighter version of the original color is **64.8896, 83.4934, 86.8245**, and **14.6133, 21.2671, 21.7471** is the 20% darker color. If you saturate the color by 10%, you get **31.0532, 44.1509, 44.4834**, and if you desaturate by 10%, it is **36.9234, 47.0672, 49.7214**.

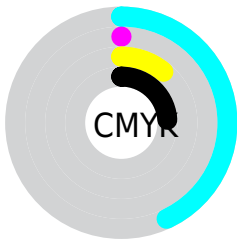
Distribution



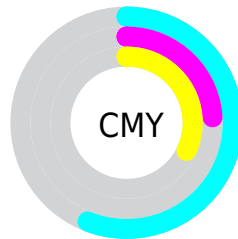
- Red (44%)
- Green (76%)
- Blue (68%)



- Red (44%)
- Yellow (62%)
- Blue (76%)



- Cyan (43%)
- Magenta (0%)
- Yellow (11%)
- Black (24%)



- Cyan (56%)
- Magenta (24%)
- Yellow (32%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.7106, 45.4657, 47.0434 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 33.7106, 45.4657, 47.0434 by changing the saturation by 10% instead.

■ 33.7106, 45.4657,
47.0434

■ 33.7106, 45.4657,
47.0434

310.4484,
368.6564, 391.3865

■ 22.8332, 31.8244,
32.7154

■ 64.8307, 83.4188,
87.1291

■ 14.5904, 21.2274,
21.6392

■ 85.8040, 108.4994,
113.7238

■ 8.6169, 13.2903,
13.3962

■ 110.8734,
138.1619, 145.2445

■ 4.5472, 7.6288,
7.5680

140.4042,
172.7906, 182.1097

■ 2.0161, 3.8583,
3.7360

174.7617,
212.7701, 224.7380

■ 0.6430, 1.5946,
1.4817

214.3114,

■ 0.0000, 0.3540,

258.4846, 273.5478

0.2042

259.4185,
310.3186, 328.9578

■ 0.0000, 0.0000,
0.0000

■ 33.7106, 45.4657,
47.0434

■ 33.7106, 45.4657,
47.0434

■ 31.0532, 44.1509,
44.4834

■ 36.9234, 47.0672,
49.7214

■ 28.9120, 43.0990,
42.0358

■ 40.7200, 48.9665,
52.5168

■ 27.2486, 42.2915,
39.6986


■ 45.1313, 51.1806,
55.4328


■ 26.0176, 41.7049,
37.4690


■ 50.1851, 53.7239,
58.4718


■ 25.1641, 41.3111,
35.3432


■ 55.9072, 56.6096,
61.6357

 24.7236, 41.1149,
33.9284

 62.3221, 59.8505,
64.9266

 69.4532, 63.4584,
68.3465

 72.7668, 65.0962,
71.6841

 73.3952, 65.3475,
74.9931

Harmonies

Analogous

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



35.2738, 45.4657, 34.4416



33.7106, 45.4657, 47.0434



34.5160, 45.4657, 63.1817

Triad

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



33.7106, 45.4657, 47.0434



47.7574, 45.4657, 81.4279



49.3938, 45.4657, 28.9675

Complementary

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



33.7106, 45.4657, 47.0434



32.3565, 24.6381, 24.8817

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.



53.2623, 45.4657, 37.9588



33.7106, 45.4657, 47.0434



52.2639, 45.4657, 68.4211

Square

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



33.7106, 45.4657, 47.0434



42.3457, 45.4657, 85.2491



54.3536, 45.4657, 52.0498



44.0937, 45.4657, 25.4775

Rectangle

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



33.7106, 45.4657, 47.0434



36.3260, 45.4657, 73.5980



54.3536, 45.4657, 52.0498



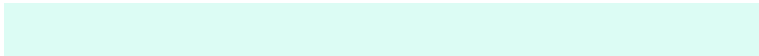
50.9215, 45.4657, 31.3429

Sweetspot

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



33.7119, 45.4675, 47.0444



80.7220, 91.6085, 99.2106



32.1219, 45.1989, 22.0709



17.2672, 19.8553, 21.4648



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.



33.7119, 45.4675, 47.0444



55.7309, 79.1291, 79.7887



31.8152, 38.1371, 57.3162



10.2574, 11.3840, 12.3590



16.1034, 26.7354, 22.2354



0.7220, 1.1657, 1.0988

Inverse Universe

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



32.3565, 24.6381, 24.8817



52.9994, 36.8301, 34.8863



33.4390, 28.8764, 18.8509



10.1742, 10.1183, 11.0079



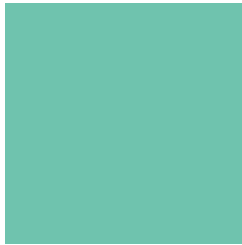
15.0133, 7.6951, 2.7163



0.6774, 0.3440, 0.2687

Previews

White Background



This preview shows how the XYZ color 33.7106, 45.4657, 47.0434 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 33.7106, 45.4657, 47.0434 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 33.7106, 45.4657, 47.0434

Background



This preview shows how black text looks on a background with the XYZ color 33.7106, 45.4657, 47.0434.



This preview shows how white text looks on a background with the XYZ color 33.7106, 45.4657,

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

33.7106, 45.4657, 47.0434

Protanopia

42.7195, 44.8717, 42.0069

Deuteranopia

45.8452, 44.8776, 48.8938



Tritanopia

37.2998, 45.2762, 65.1658

Trichromacy



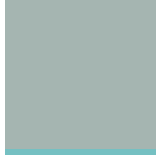
Original Color

33.7106, 45.4657, 47.0434



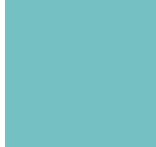
Protanomaly

38.3089, 44.3772, 43.5924



Deuteranomaly

39.9767, 44.2214, 48.0236



Tritanomaly

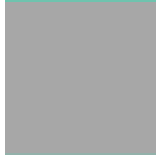
35.9234, 45.3762, 57.9041

Monochromacy



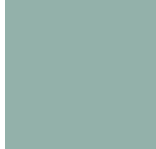
Original Color

33.7106, 45.4657, 47.0434



Achromatopsia

36.7301, 38.6429, 42.0822



Achromatomaly

35.0105, 40.5496, 44.0118

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.7106, 45.4657, 47.0434 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(111, 195, 174)` looks like.

```
.text, #text, p{  
    color:rgb(111, 195, 174)  
}
```

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(111, 195, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(111, 195, 174) }
```

Border

The CSS property to change the border of an element to XYZ 33.7106, 45.4657, 47.0434 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(111, 195, 174) }
```


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

```
.border{ border-color:rgb(111, 195, 174) }
```

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

Here you see how a box with a 4 pixel `rgb(111, 195, 174)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(111, 195, 174); -webkit-box-  
shadow:4px 4px 4px 4px rgb(111, 195, 174);  
box-shadow:4px 4px 4px 4px rgb(111, 195,  
174) }
```

Background

The CSS property to change the background color of an element to XYZ 33.7106, 45.4657, 47.0434 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(111, 195, 174) }
```

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

```
.background{ background-color: rgb(111,  
195, 174) }
```

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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