

Converting Colors

XYZ(33.7646, 41.5925, 47.9061)

Have a look what the booklet for
XYZ(33.7646, 41.5925, 47.9061)
contains.

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Color

**XYZ(33.7714, 41.6305,
47.8505)**

Conversions

Conversions Part 1

Format	Color
Hex	80B7B1
RGB	128, 183, 177
RGB Percent	50%, 72%, 69%
CMY	0.4980, 0.2823, 0.3059
CMYK	0.30, 0.00, 0.03, 0.28
HSL	173°, 28%, 61%
HSV	173°, 30%, 72%
XYZ	33.7714, 41.6305, 47.8505
YIQ	165.8710, -30.8540, -13.5260

Conversions

Conversions Part 2

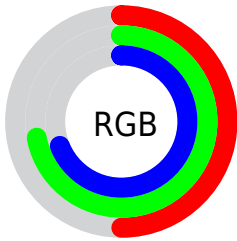
Format	Color
R_{YB}	128, 157, 183
Decimal	8435633
CIE _{Lab}	70.62, -19.20, -2.72
CIE _{LCh}	71, 19.395, 188.061
Yxy	41.6305, 0.2740, 0.3378
Android (android.graphics.Color)	4286625713 (0xFF80B7B1)
YUV	165.8710, 5.4866, -33.2129
Hunter-Lab	64.5217, -19.4840, 1.1946

Details

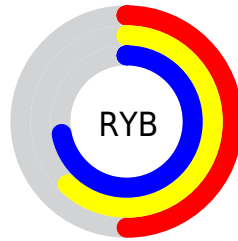
The XYZ color **33.7714, 41.6305, 47.8505** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **31.5522, 27.2280, 26.1485**, and the grayscale version is **36.1692, 38.0528, 41.4395**.

A 20% lighter version of the original color is **64.8659, 77.5613, 88.6428**, and **14.6648, 18.9824, 22.2931** is the 20% darker color. If you saturate the color by 10%, you get **31.0659, 40.2597, 46.6931**, and if you desaturate by 10%, it is **36.9787, 43.2618, 49.0483**.

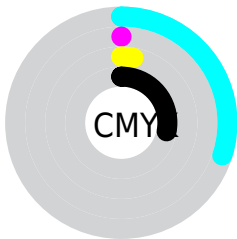
Distribution



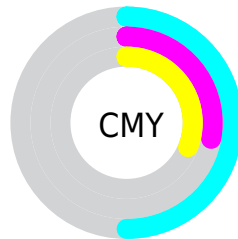
- Red (50%)
- Green (72%)
- Blue (69%)



- Red (50%)
- Yellow (62%)
- Blue (72%)



- Cyan (30%)
- Magenta (0%)
- Yellow (3%)
- Black (28%)



- Cyan (50%)
- Magenta (28%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.7714, 41.6305, 47.8505 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 33.7714, 41.6305, 47.8505 by changing the saturation by 10% instead.

■ 33.7714, 41.6305,
47.8505

■ 33.7714, 41.6305,
47.8505

310.7154,
352.9489, 394.6908

■ 22.8801, 28.8121,
33.3494

■ 64.9247, 77.6401,
88.3450

■ 14.6252, 18.9387,
22.1209

■ 85.9174, 101.6001,
115.1754

■ 8.6414, 11.6260,
13.7466

■ 111.0079,
130.0426, 146.9527

■ 4.5632, 6.4896,
7.8079

140.5616,
163.3523, 184.0954

■ 2.0254, 3.1450,
3.8863

174.9438,
201.9133, 227.0220

■ 0.6482, 1.2079,
1.5632

214.5200,

■ 0.0000, 0.0681,

246.1102, 276.1511

0.2643

259.6554,
296.3272, 331.9012

■ 0.0000, 0.0000,
0.0000

■ 33.7714, 41.6305,
47.8505

■ 33.7714, 41.6305,
47.8505

■ 31.0659, 40.2597,
46.6931

■ 36.9787, 43.2618,
49.0483

■ 28.8318, 39.1304,
45.5721

■ 40.7089, 45.1613,
50.2850

■ 27.0412, 38.2295,
44.4869

■ 44.9862, 47.3425,
51.5627

■ 25.6615, 37.5401,
43.4359

■ 49.8323, 49.8165,
52.8824

■ 24.6559, 37.0432,
42.4174

■ 55.2678, 52.5941,
54.2451

■ 23.9807, 36.7163,
41.4292

■ 61.3121, 55.6852,
55.6518

■ 23.5480, 36.5139,
40.4724

■ 67.5761, 58.8892,
57.0844

■ 67.7974, 58.9777,
58.2498

■ 68.0217, 59.0674,
59.4311

Harmonies

Analogous

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



34.1196, 41.6305, 39.0450



33.7714, 41.6305, 47.8505



34.9090, 41.6305, 57.1117

Triad

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



33.7714, 41.6305, 47.8505



43.4934, 41.6305, 60.7045



41.9176, 41.6305, 30.8407

Complementary

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



33.7714, 41.6305, 47.8505



31.5522, 27.2280, 26.1485

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.



44.6253, 41.6305, 35.2890



33.7714, 41.6305, 47.8505



45.5688, 41.6305, 52.2524

Square

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



33.7714, 41.6305, 47.8505



40.4396, 41.6305, 65.1602



45.9938, 41.6305, 42.8968



38.7101, 41.6305, 29.9942

Rectangle

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



33.7714, 41.6305, 47.8505



36.3951, 41.6305, 62.0285



45.9938, 41.6305, 42.8968



42.9213, 41.6305, 31.9322

Sweetspot

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



33.7726, 41.6322, 47.8515



73.5589, 81.2125, 90.2602



30.7291, 40.5299, 26.6264



16.0163, 17.8199, 19.8634



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



33.7726, 41.6322, 47.8515



57.2151, 72.9013, 84.3332



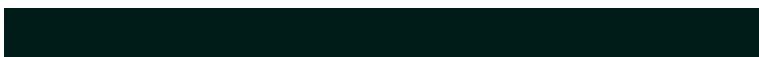
30.3563, 33.8208, 49.7298



9.2233, 10.1933, 11.3333



16.4423, 25.4779, 28.3147



0.5918, 0.9030, 1.0622

Inverse Universe

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



31.5522, 27.2280, 26.1485



52.6083, 42.9907, 39.2864



34.1868, 33.1485, 25.0194



9.0434, 9.0277, 9.5759



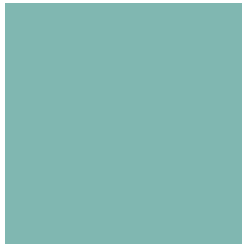
13.7244, 7.0635, 1.1693



0.4970, 0.2543, 0.1108

Previews

White Background



This preview shows how the XYZ color 33.7714, 41.6305, 47.8505 looks on a white background.

Color Contrast Check

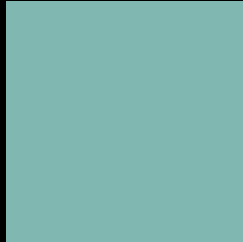
Large Text (above 18pt) WCAG AA × Fail

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 33.7714, 41.6305, 47.8505 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

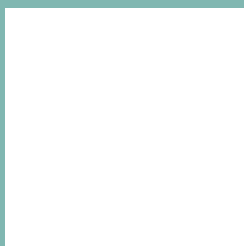
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 33.7714, 41.6305, 47.8505

Background



This preview shows how black text looks on a background with the XYZ color 33.7714, 41.6305, 47.8505.

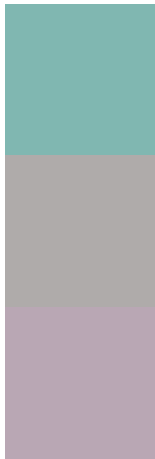


This preview shows how white text looks on a background with the XYZ color 33.7714, 41.6305,

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

33.7714, 41.6305, 47.8505

Protanopia

39.4978, 41.1421, 43.8897

Deuteranopia

42.0645, 41.2470, 48.9244



Tritanopia

35.6873, 41.4882, 57.7569

Trichromacy



Original Color

33.7714, 41.6305, 47.8505

Protanomaly

36.9733, 40.9462, 45.4899

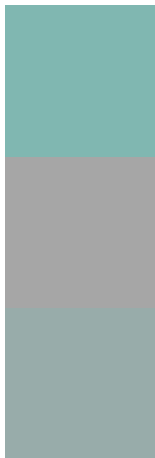
Deuteranomaly

38.3901, 41.0343, 48.5449

Tritanomaly

34.9610, 41.5039, 53.7454

Monochromacy



Original Color

33.7714, 41.6305, 47.8505

Achromatopsia

36.2450, 38.1326, 41.5264

Achromatomaly

34.9571, 39.0827, 43.7315

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.7714, 41.6305, 47.8505 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(128, 183, 177)` looks like.

```
.text, #text, p{  
    color:rgb(128, 183, 177)  
}
```

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(128, 183, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 183, 177) }
```

Border

The CSS property to change the border of an element to XYZ 33.7714, 41.6305, 47.8505 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(128, 183, 177) }
```


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

```
.border{ border-color:rgb(128, 183, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 183, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 183, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 183, 177);  
box-shadow:4px 4px 4px 4px rgb(128, 183,  
177) }
```

Background

The CSS property to change the background color of an element to XYZ 33.7714, 41.6305, 47.8505 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 183, 177) }
```

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

```
.background{ background-color: rgb(128,  
183, 177) }
```

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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