

# Converting Colors

XYZ(33.4499, 41.2362, 42.0877)

Have a look what the booklet for  
XYZ(33.4499, 41.2362, 42.0877)  
contains.

<b>XYZ(33.4424, 41.2774, 42.2811)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(33.4424, 41.2774,  
42.2811)**

# Conversions

## Conversions Part 1

Format	Color
Hex	86B6A6
RGB	134, 182, 166
RGB Percent	53%, 71%, 65%
CMY	0.4745, 0.2863, 0.3490
CMYK	0.26, 0.00, 0.09, 0.29
HSL	160°, 25%, 62%
HSV	160°, 26%, 71%
XYZ	33.4424, 41.2774, 42.2811
YIQ	165.8240, -23.4720, -15.1520

# Conversions

## Conversions Part 2

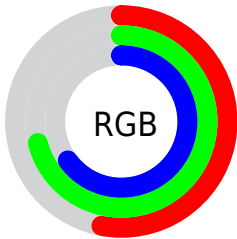
<b>Format</b>	<b>Color</b>
<b>RYB</b>	134, 163, 182
Decimal	8828582
CIELab	70.37, -19.30, 3.00
CIElCh	70, 19.531, 171.161
Yxy	41.2774, 0.2858, 0.3528
Android (android.graphics.Color)	4287018662 (0xFF86B6A6)
YUV	165.8240, 0.0868, -27.9096
Hunter-Lab	64.2475, -19.5195, 5.9547

# Details

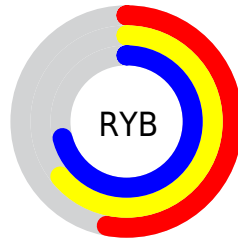
The XYZ color **33.4424, 41.2774, 42.2811** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **33.3230, 29.1984, 32.7355**, and the grayscale version is **36.1691, 38.0528, 41.4395**.

A 20% lighter version of the original color is **64.3647, 77.0609, 79.8885**, and **14.4548, 18.7544, 18.7777** is the 20% darker color. If you saturate the color by 10%, you get **30.2442, 39.6926, 39.2948**, and if you desaturate by 10%, it is **37.1685, 43.1335, 45.4310**.

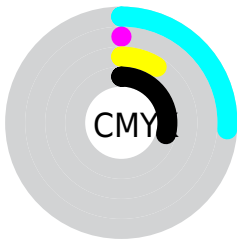
# Distribution



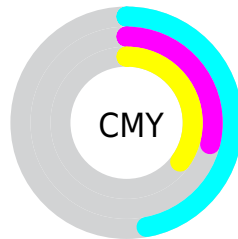
- Red (53%)
- Green (71%)
- Blue (65%)



- Red (53%)
- Yellow (64%)
- Blue (71%)



- Cyan (26%)
- Magenta (0%)
- Yellow (9%)
- Black (29%)




- Cyan (47%)
- Magenta (29%)
- Yellow (35%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 33.4424, 41.2774, 42.2811 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 33.4424, 41.2774, 42.2811 by changing the saturation by 10% instead.





 33.4424, 41.2774,  
42.2811


 33.4424, 41.2774,  
42.2811


309.2684,  
351.4787, 371.4809


 22.6264, 28.5359,  
28.9942


 64.4157, 77.1048,  
79.8996

 14.4371, 18.7300,  
18.8309


 85.3037, 100.9595,  
105.0682

 8.5090, 11.4754,  
11.3726


 110.2798,  
129.2874, 135.0346

 4.4769, 6.3875,  
6.2007

139.7092,  
162.4729, 170.2172

 1.9753, 3.0821,  
2.8968

173.9575,  
200.9004, 211.0346

 0.6200, 1.1748,  
1.0422

213.3899,

 0.0000, 0.0409,

244.9543, 257.9053

0.0000

258.3717,  
295.0189, 311.2479

■ 0.0000, 0.0000,  
0.0000

■ 33.4424, 41.2774,  
42.2811

■ 33.4424, 41.2774,  
42.2811

■ 30.2442, 39.6926,  
39.2948

■ 37.1685, 43.1335,  
45.4310

■ 27.5444, 38.3606,  
36.4662

■ 41.4430, 45.2682,  
48.7446

■ 25.3160, 37.2687,  
33.7929

■ 46.2897, 47.6947,  
52.2257

■ 23.5279, 36.4008,  
31.2717

■ 51.7298, 50.4240,  
55.8770

■ 22.1451, 35.7390,  
28.8987

■ 57.7836, 53.4665,  
59.7013

■ 21.1269, 35.2624,  
26.6703

■ 64.4701, 56.8319,  
63.7012

■ 20.4197, 34.9433,  
24.5816

■ 69.4122, 59.2948,  
67.7670

■ 20.2001, 34.8460,  
23.8565

■ 70.1755, 59.6001,  
71.7864

■ 70.9677, 59.9170,  
75.9580

# Harmonies

## Analogous

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



34.6173, 41.2774, 34.7410



33.4424, 41.2774, 42.2811



33.7517, 41.2774, 51.6347

# Triad

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



33.4424, 41.2774, 42.2811



41.5044, 41.2774, 63.5348



43.2341, 41.2774, 32.5292

# Complementary

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



33.4424, 41.2774, 42.2811



33.3230, 29.1984, 32.7355

# 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.



45.2776, 41.2774, 38.8579



33.4424, 41.2774, 42.2811



44.2416, 41.2774, 56.9715

# Square

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



33.4424, 41.2774, 42.2811



38.2917, 41.2774, 64.7803



45.6560, 41.2774, 47.7166



40.1894, 41.2774, 29.6370



# Rectangle

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



33.4424, 41.2774, 42.2811



34.7654, 41.2774, 57.6167



45.6560, 41.2774, 47.7166



44.0677, 41.2774, 34.2808

# Sweetspot

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



33.4436, 41.2791, 42.2820



73.6935, 81.3478, 87.2897



33.7578, 41.7391, 28.8322



16.0103, 17.8341, 19.0772



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.



33.4436, 41.2791, 42.2820



56.9433, 73.0056, 73.2793



33.5674, 39.0295, 50.0222



9.1359, 10.1583, 10.8732



14.2963, 24.6195, 17.0140



0.5314, 0.8789, 0.7443



# Inverse Universe

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



33.3230, 29.1984, 32.7355



56.6885, 47.1808, 52.8865



33.1502, 30.7762, 26.7481



9.1248, 9.0603, 10.0046



14.2400, 7.2697, 3.8845



0.5315, 0.2681, 0.2923



# Previews

## White Background



This preview shows how the XYZ color 33.4424, 41.2774, 42.2811 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

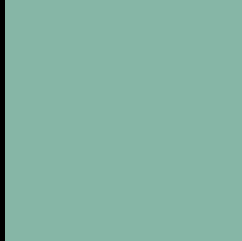
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 33.4424, 41.2774, 42.2811 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

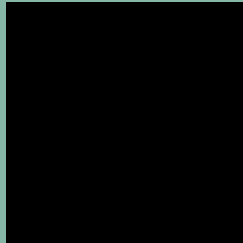
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 33.4424, 41.2774, 42.2811**

## **Background**



This preview shows how black text looks on a background with the XYZ color 33.4424, 41.2774, 42.2811.



This preview shows how white text looks on a background with the XYZ color 33.4424, 41.2774,



# 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

33.4424, 41.2774, 42.2811

### Protanopia

39.0395, 41.0110, 39.1160

### Deuteranopia

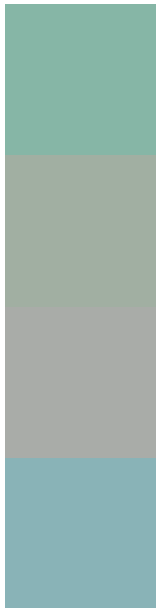
41.7839, 40.9558, 43.2391



## Tritanopia

36.0823, 41.1355, 55.9074

# Trichromacy



**Original Color**

33.4424, 41.2774, 42.2811

**Protanomaly**

36.5495, 40.8456, 40.1401

**Deuteranomaly**

38.1826, 40.7672, 42.9022

**Tritanomaly**

34.9839, 40.9775, 50.8653

# Monochromacy



**Original Color**

33.4424, 41.2774, 42.2811

**Achromatopsia**

36.2450, 38.1326, 41.5264

**Achromatomaly**

34.9619, 39.1282, 41.7862

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 33.4424, 41.2774, 42.2811 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(134, 182, 166)` looks like.

```
.text, #text, p{  
    color:rgb(134, 182, 166)  
}
```

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(134, 182, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(134, 182, 166) }
```

## Border

The CSS property to change the border of an element to XYZ 33.4424, 41.2774, 42.2811 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(134, 182, 166) }
```



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

```
.border{ border-color:rgb(134, 182, 166) }
```

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

Here you see how a box with a 4 pixel `rgb(134, 182, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(134, 182, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(134, 182, 166);  
box-shadow:4px 4px 4px 4px rgb(134, 182,  
166) }
```

# Background

The CSS property to change the background color of an element to XYZ 33.4424, 41.2774, 42.2811 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(134, 182, 166) }
```

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

```
.background{ background-color: rgb(134,  
182, 166) }
```

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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