

# Converting Colors

XYZ(33.3227, 44.0301, 46.6140)

Have a look what the booklet for  
XYZ(33.3227, 44.0301, 46.6140)  
contains.

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# Color

**XYZ(33.3410, 43.9624,  
46.7727)**

# Conversions

## Conversions Part 1

Format	Color
Hex	73BFAE
RGB	115, 191, 174
RGB Percent	45%, 75%, 68%
CMY	0.5490, 0.2510, 0.3176
CMYK	0.40, 0.00, 0.09, 0.25
HSL	167°, 37%, 60%
HSV	167°, 40%, 75%
XYZ	33.3410, 43.9624, 46.7727
YIQ	166.3380, -39.8390, -21.3990

# Conversions

## Conversions Part 2

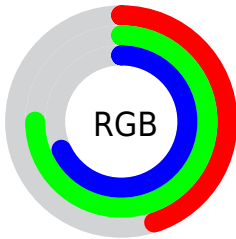
Format	Color
<a href="#">RYB</a>	<a href="#">115, 158, 191</a>
Decimal	<a href="#">7585710</a>
CIELab	<a href="#">72.20, -27.56, 1.17</a>
CIElCh	<a href="#">72, 27.584, 177.572</a>
Yxy	<a href="#">43.9624, 0.2687, 0.3543</a>
Android (android.graphics.Color)	<a href="#">4285775790 (0xFF73BFAE)</a>
YUV	<a href="#">166.3380, 3.7774, -45.0234</a>
Hunter-Lab	<a href="#">66.3041, -26.2736, 4.5882</a>

# Details

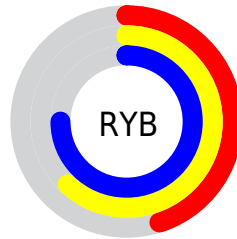
The XYZ color **33.3410, 43.9624, 46.7727** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **31.7829, 25.0050, 24.9828**, and the grayscale version is **36.4061, 38.3021, 41.7110**.

A 20% lighter version of the original color is **64.2878, 81.3380, 86.4402**, and **14.3830, 20.2886, 21.5704** is the 20% darker color. If you saturate the color by 10%, you get **30.6752, 42.6366, 44.5086**, and if you desaturate by 10%, it is **36.5430, 45.5653, 49.1330**.

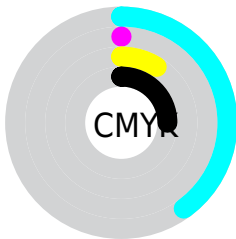
# Distribution



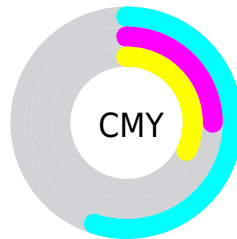
- Red (45%)
- Green (75%)
- Blue (68%)



- Red (45%)
- Yellow (62%)
- Blue (75%)



- Cyan (40%)
- Magenta (0%)
- Yellow (9%)
- Black (25%)




- Cyan (55%)
- Magenta (25%)
- Yellow (32%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 33.3410, 43.9624, 46.7727 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 33.3410, 43.9624, 46.7727 by changing the saturation by 10% instead.





 33.3410, 43.9624,  
46.7727


 33.3410, 43.9624,  
46.7727


308.8214,  
362.5548, 390.2740


 22.5483, 30.6410,  
32.5029


 64.2587, 81.1612,  
86.7207

 14.3792, 20.3256,  
21.4779


 85.1143, 105.8073,  
113.2359

 8.4683, 12.6319,  
13.2792


 110.0550,  
134.9970, 144.6702

 4.4504, 7.1756,  
7.4881

139.4461,  
169.1149, 181.4418

 1.9599, 3.5722,  
3.6861

173.6529,  
208.5452, 223.9695

 0.6113, 1.4372,  
1.4548

213.0409,

 0.0000, 0.2439,

253.6723, 272.6717

0.1839

257.9752,  
304.8808, 327.9670

■ 0.0000, 0.0000,  
0.0000

■ 33.3410, 43.9624,  
46.7727

■ 33.3410, 43.9624,  
46.7727

■ 30.6752, 42.6366,  
44.5086

■ 36.5430, 45.5653,  
49.1330

■ 28.5092, 41.5659,  
42.3355

■ 40.3070, 47.4553,  
51.5884

■ 26.8083, 40.7334,  
40.2521

■ 44.6619, 49.6483,  
54.1420


■ 25.5313, 40.1179,  
38.2558


■ 49.6334, 52.1576,  
56.7954


■ 24.6298, 39.6946,  
36.3436


■ 55.2455, 54.9956,  
59.5504


 24.0107, 39.4153,  
34.5106

 61.5211, 58.1740,  
62.4088

 23.9986, 39.4099,  
34.4729

 68.4819, 61.7041,  
65.3720

 71.2795, 63.0863,  
68.2138

 71.8130, 63.2997,  
71.0236

# Harmonies

## Analogous

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



34.5688, 43.9624, 35.2147



33.3410, 43.9624, 46.7727



34.2304, 43.9624, 60.9644

# Triad

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



33.3410, 43.9624, 46.7727



46.1376, 43.9624, 74.8676



46.8541, 43.9624, 29.0763

# Complementary

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



33.3410, 43.9624, 46.7727



31.7829, 25.0050, 24.9828

# 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.



50.3765, 43.9624, 36.7951



33.3410, 43.9624, 46.7727



49.9413, 43.9624, 63.2375

# Square

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



33.3410, 43.9624, 46.7727



41.4009, 43.9624, 78.8921



51.5462, 43.9624, 48.9794



42.1714, 43.9624, 26.2751



# Rectangle

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



33.3410, 43.9624, 46.7727



35.9444, 43.9624, 69.7826



51.5462, 43.9624, 48.9794



48.2261, 43.9624, 31.1007

# Sweetspot

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



33.3423, 43.9642, 46.7737



78.0160, 87.9236, 95.8511



31.3575, 43.4661, 22.9576



16.8992, 19.1902, 20.9143



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138



# Same Dimension

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



33.3423, 43.9642, 46.7737



55.3869, 76.5826, 80.1224



30.9881, 36.4332, 54.6912



9.7147, 10.7720, 11.7473



15.8023, 25.9112, 22.8194



0.6419, 1.0241, 1.0147



# Inverse Universe

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



31.7829, 25.0050, 24.9828



52.2136, 37.8117, 35.6372



33.2830, 29.7179, 20.2024



9.6152, 9.5704, 10.3628



14.4291, 7.4028, 2.2873



0.5906, 0.3001, 0.2234



# Previews

## White Background



This preview shows how the XYZ color 33.3410, 43.9624, 46.7727 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 33.3410, 43.9624, 46.7727 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

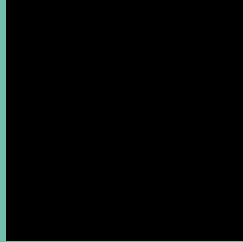
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

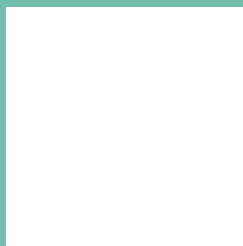
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 33.3410, 43.9624, 46.7727**

## **Background**



This preview shows how black text looks on a background with the XYZ color 33.3410, 43.9624, 46.7727.



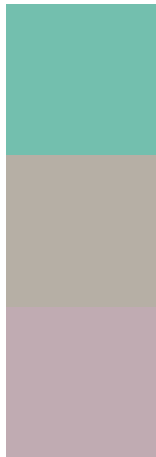
This preview shows how white text looks on a background with the XYZ color 33.3410, 43.9624,



# 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

33.3410, 43.9624, 46.7727

### Protanopia

41.4129, 43.3216, 41.7765

### Deuteranopia

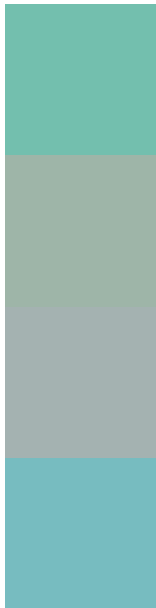
44.3370, 43.5466, 48.1880



## Tritanopia

36.4570, 43.9425, 62.4374

# Trichromacy



## Original Color

33.3410, 43.9624, 46.7727

## Protanomaly

37.6923, 43.1440, 43.3868

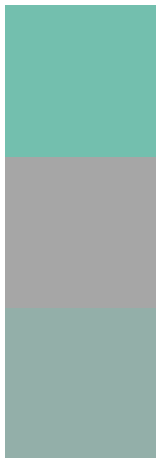
## Deuteranomaly

39.1660, 42.9076, 47.8127

## Tritanomaly

35.1054, 43.6941, 56.4527

# Monochromacy



## Original Color

33.3410, 43.9624, 46.7727

## Achromatopsia

36.2450, 38.1326, 41.5264

## Achromatomaly

34.5240, 39.7276, 43.3847

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 33.3410, 43.9624, 46.7727 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(115, 191, 174)` looks like.

```
.text, #text, p{  
    color:rgb(115, 191, 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(115, 191, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(115, 191, 174) }
```

## Border

The CSS property to change the border of an element to XYZ 33.3410, 43.9624, 46.7727 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(115, 191, 174) }
```



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

```
.border{ border-color:rgb(115, 191, 174) }
```

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

Here you see how a box with a 4 pixel `rgb(115, 191, 174)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(115, 191, 174); -webkit-box-  
shadow:4px 4px 4px 4px rgb(115, 191, 174);  
box-shadow:4px 4px 4px 4px rgb(115, 191,  
174) }
```

# Background

The CSS property to change the background color of an element to XYZ 33.3410, 43.9624, 46.7727 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(115, 191, 174) }
```

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

```
.background{ background-color: rgb(115,  
191, 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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