

# Converting Colors

XYZ(33.9843, 47.7004, 32.2954)

Have a look what the booklet for  
XYZ(33.9843, 47.7004, 32.2954)  
contains.

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# Color

**XYZ(33.9921, 47.6376,  
32.2144)**

# Conversions

## Conversions Part 1

Format	Color
Hex	7EC88C
RGB	126, 200, 140
RGB Percent	49%, 78%, 55%
CMY	0.5059, 0.2157, 0.4510
CMYK	0.37, 0.00, 0.30, 0.22
HSL	131°, 40%, 64%
HSV	131°, 37%, 78%
XYZ	33.9921, 47.6376, 32.2144
YIQ	171.0340, -24.8440, -34.3480

# Conversions

## Conversions Part 2

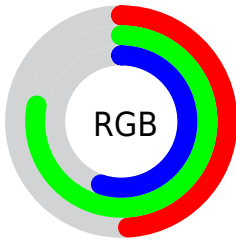
<b>Format</b>	<b>Color</b>
<b>RYB</b>	126, 188, 200
Decimal	8308876
CIELab	74.60, -35.59, 22.93
CIELCh	75, 42.338, 147.206
Yxy	47.6376, 0.2986, 0.4184
Android (android.graphics.Color)	4286498956 (0xFF7EC88C)
YUV	171.0340, -15.2998, -39.4948
Hunter-Lab	69.0200, -32.8744, 20.6410

# Details

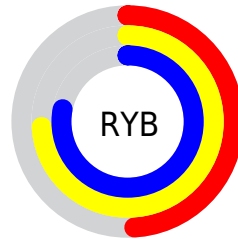
The XYZ color **33.9921, 47.6376, 32.2144** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **40.1448, 30.7473, 50.2751**, and the grayscale version is **38.8102, 40.8313, 44.4653**.

A 20% lighter version of the original color is **64.5537, 85.2388, 64.0893**, and **14.8297, 22.6955, 13.0503** is the 20% darker color. If you saturate the color by 10%, you get **30.2237, 45.8244, 26.2498**, and if you desaturate by 10%, it is **38.5288, 49.8292, 39.1369**.

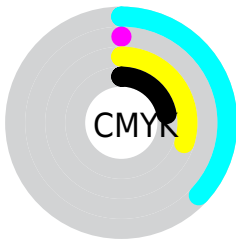
# Distribution



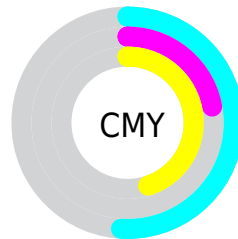
- Red (49%)
- Green (78%)
- Blue (55%)



- Red (49%)
- Yellow (74%)
- Blue (78%)



- Cyan (37%)
- Magenta (0%)
- Yellow (30%)
- Black (22%)




- Cyan (51%)
- Magenta (22%)
- Yellow (45%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 33.9921, 47.6376, 32.2144 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 33.9921, 47.6376, 32.2144 by changing the saturation by 10% instead.





 33.9921, 47.6376,  
32.2144


 33.9921, 47.6376,  
32.2144


311.6834,  
377.3539, 326.6175


 23.0504, 33.5400,  
21.2591


 65.2658, 86.6646,  
64.2489

 14.7516, 22.5404,  
13.1205


 86.3284, 112.3627,  
86.1651

 8.7304, 14.2545,  
7.3799


 111.4954,  
142.6965, 112.5722

 4.6215, 8.2979,  
3.6187

141.1322,  
178.0504, 143.8885

 2.0594, 4.2862,  
1.4186

175.6040,  
218.8086, 180.5326

 0.6670, 1.8349,  
0.1562

215.2762,

 0.0000, 0.5088,

265.3557, 222.9232

0.0000

260.5142,  
318.0760, 271.4786

■ 0.0000, 0.0000,  
0.0000

■ 33.9921, 47.6376,  
32.2144

■ 33.9921, 47.6376,  
32.2144

■ 30.2237, 45.8244,  
26.2498

■ 38.5288, 49.8292,  
39.1369

■ 27.1769, 44.3624,  
21.1978

■ 43.8698, 52.4129,  
47.0536

■ 24.8055, 43.2300,  
17.0143


■ 50.0530, 55.4088,  
56.0029


■ 23.0565, 42.4011,  
13.6501


■ 57.1131, 58.8340,  
66.0200


■ 21.8685, 41.8449,  
11.0510


■ 65.0827, 62.7046,  
77.1386

 21.1609, 41.5213,  
9.1562

 73.9926, 67.0359,  
89.3908

 21.0024, 41.4493,  
8.7137

 79.7074, 69.6952,  
102.6127

 79.9452, 69.7904,  
103.8651

# Harmonies

## Analogous

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



38.8732, 47.6376, 22.6737



33.9921, 47.6376, 32.2144



32.1038, 47.6376, 49.8402

# Triad

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



33.9921, 47.6376, 32.2144



44.5640, 47.6376, 106.4314



59.6797, 47.6376, 34.8770

# Complementary

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



33.9921, 47.6376, 32.2144



40.1448, 30.7473, 50.2751

# 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.



61.6383, 47.6376, 53.9527



33.9921, 47.6376, 32.2144



52.3505, 47.6376, 99.1504

# Square

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



33.9921, 47.6376, 32.2144



37.7607, 47.6376, 96.0170



58.8208, 47.6376, 78.2316



53.7323, 47.6376, 23.8787

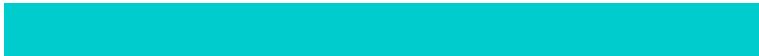


# Rectangle

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



33.9921, 47.6376, 32.2144



32.6166, 47.6376, 65.3727



58.8208, 47.6376, 78.2316



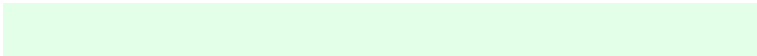
60.8536, 47.6376, 40.3665

# Sweetspot

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



33.9933, 47.6396, 32.2155



82.0248, 93.6836, 90.2949



44.7771, 53.3106, 27.6691



17.2410, 19.8992, 18.8700



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

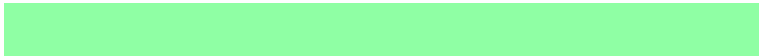


# Same Dimension

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



33.9933, 47.6396, 32.2155



53.7564, 80.0231, 47.7477



37.1525, 48.9033, 48.8516



10.5781, 11.9201, 11.7285



13.3784, 26.3637, 5.6714



0.6588, 1.2585, 0.4021



# Inverse Universe

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



40.1448, 30.7473, 50.2751



65.8511, 46.7724, 83.2280



36.7411, 29.3858, 32.3520



10.9937, 10.7809, 12.9502



19.3323, 9.4825, 22.7575



0.9382, 0.4581, 1.1979



# Previews

## White Background



This preview shows how the XYZ color 33.9921, 47.6376, 32.2144 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 33.9921, 47.6376, 32.2144 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

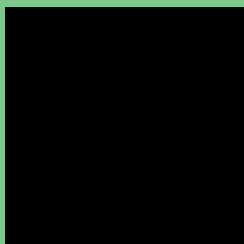
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

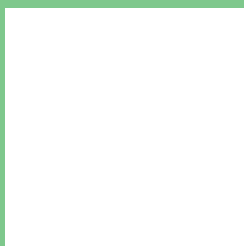
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 33.9921, 47.6376, 32.2144**

## **Background**



This preview shows how black text looks on a background with the XYZ color 33.9921, 47.6376, 32.2144.



This preview shows how white text looks on a background with the XYZ color 33.9921, 47.6376,



# 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

33.9921, 47.6376, 32.2144

### Protanopia

43.6578, 46.8576, 28.5732

### Deuteranopia

47.8814, 46.8504, 33.3075



## Tritanopia

40.7085, 47.3420, 66.0238

# Trichromacy



## Original Color

33.9921, 47.6376, 32.2144



## Protanomaly

39.3654, 46.8024, 29.8807



## Deuteranomaly

41.1545, 46.0879, 32.7134



## Tritanomaly

37.8307, 47.1534, 51.9074

# Monochromacy



## Original Color

33.9921, 47.6376, 32.2144



## Achromatopsia

38.7082, 40.7240, 44.3485



## Achromatomaly

36.5907, 42.9625, 39.6218

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 33.9921, 47.6376, 32.2144 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(126, 200, 140)` looks like.

```
.text, #text, p{  
    color:rgb(126, 200, 140)  
}
```

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(126, 200, 140) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(126, 200, 140) }
```

## Border

The CSS property to change the border of an element to XYZ 33.9921, 47.6376, 32.2144 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(126, 200, 140) }
```



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

```
.border{ border-color:rgb(126, 200, 140) }
```

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

Here you see how a box with a 4 pixel `rgb(126, 200, 140)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(126, 200, 140); -webkit-box-  
shadow:4px 4px 4px 4px rgb(126, 200, 140);  
box-shadow:4px 4px 4px 4px rgb(126, 200,  
140) }
```

# Background

The CSS property to change the background color of an element to XYZ 33.9921, 47.6376, 32.2144 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(126, 200, 140) }
```

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

```
.background{ background-color: rgb(126,  
200, 140) }
```

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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