

# Converting Colors

XYZ(30.9262, 42.1771, 34.3682)

Have a look what the booklet for  
XYZ(30.9262, 42.1771, 34.3682)  
contains.

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# Color

**XYZ(30.7997, 41.9561,  
34.4920)**

# Conversions

## Conversions Part 1

Format	Color
Hex	76BC94
RGB	118, 188, 148
RGB Percent	46%, 74%, 58%
CMY	0.5372, 0.2627, 0.4196
CMYK	0.37, 0.00, 0.21, 0.26
HSL	146°, 34%, 60%
HSV	146°, 37%, 74%
XYZ	30.7997, 41.9561, 34.4920
YIQ	162.5100, -28.8800, -27.2800

# Conversions

## Conversions Part 2

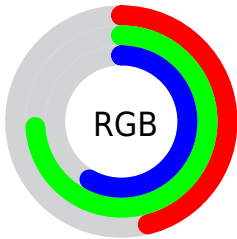
<b>Format</b>	<b>Color</b>
<b>RYB</b>	118, 167, 188
Decimal	7781524
CIELab	70.84, -30.88, 13.39
CIELCh	71, 33.659, 156.563
Yxy	41.9561, 0.2872, 0.3912
Android (android.graphics.Color)	4285971604 (0xFF76BC94)
YUV	162.5100, -7.1534, -39.0353
Hunter-Lab	64.7735, -28.4772, 13.7695

# Details

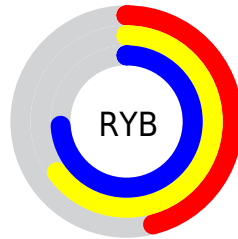
The XYZ color **30.7997, 41.9561, 34.4920** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **33.3904, 26.1178, 35.6307**, and the grayscale version is **34.6251, 36.4283, 39.6704**.

A 20% lighter version of the original color is **60.3263, 78.3397, 67.8187**, and **12.8627, 19.0371, 14.3058** is the 20% darker color. If you saturate the color by 10%, you get **27.6855, 40.4456, 30.1118**, and if you desaturate by 10%, it is **34.5039, 43.7640, 39.3137**.

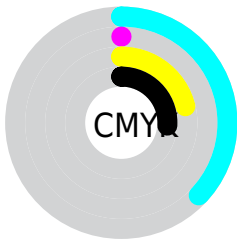
# Distribution



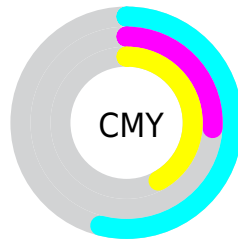
- Red (46%)
- Green (74%)
- Blue (58%)



- Red (46%)
- Yellow (65%)
- Blue (74%)



- Cyan (37%)
- Magenta (0%)
- Yellow (21%)
- Black (26%)




- Cyan (54%)
- Magenta (26%)
- Yellow (42%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 30.7997, 41.9561, 34.4920 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 30.7997, 41.9561, 34.4920 by changing the saturation by 10% instead.





 30.7997, 41.9561,  
34.4920


 30.7997, 41.9561,  
34.4920


297.4579,  
354.3009, 337.1562


 20.5975, 29.0669,  
22.9914


 60.3026, 78.1332,  
67.8407

 12.9409, 19.1314,  
14.3819


 80.3339, 102.1899,  
90.5258

 7.4645, 11.7653,  
8.2450


 104.3723,  
130.7378, 117.7762

 3.8032, 6.5841,  
4.1621

132.7831,  
164.1615, 150.0104

 1.5914, 3.2034,  
1.7147

165.9318,  
202.8453, 187.6470

 0.3868, 1.2388,  
0.3708

204.1835,

 0.0000, 0.0931,

247.1735, 231.1045

0.0000

247.9038,  
297.5306, 280.8014

■ 0.0000, 0.0000,  
0.0000

■ 30.7997, 41.9561,  
34.4920

■ 30.7997, 41.9561,  
34.4920

■ 27.6855, 40.4456,  
30.1118

■ 34.5039, 43.7640,  
39.3137

■ 25.1254, 39.2107,  
26.1575

■ 38.8248, 45.8792,  
44.5861

■ 23.0848, 38.2349,  
22.6169


■ 43.7912, 48.3177,  
50.3219


■ 21.5232, 37.4978,  
19.4757


■ 49.4293, 51.0926,  
56.5323


■ 20.3939, 36.9755,  
16.7190


■ 55.7636, 54.2165,  
63.2279

 19.6314, 36.6345,  
14.3303

 62.8176, 57.7010,  
70.4194

 19.4532, 36.5557,  
13.7312

 70.6134, 61.5577,  
78.1168

 74.0678, 63.1655,  
86.0909

 75.6583, 63.8017,  
94.4664

# Harmonies

## Analogous

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



33.8067, 41.9561, 25.1362



30.7997, 41.9561, 34.4920



30.1170, 41.9561, 49.2958

# Triad

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



30.7997, 41.9561, 34.4920



41.1203, 41.9561, 83.6352



49.1578, 41.9561, 29.6777

# Complementary

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



30.7997, 41.9561, 34.4920



33.3904, 26.1178, 35.6307

# 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.



51.5484, 41.9561, 42.2513



30.7997, 41.9561, 34.4920



46.6359, 41.9561, 75.1665

# Square

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



30.7997, 41.9561, 34.4920



35.7504, 41.9561, 80.1821



50.5850, 41.9561, 59.0655



44.3116, 41.9561, 22.8450



# Rectangle

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



30.7997, 41.9561, 34.4920



31.0090, 41.9561, 60.8920



50.5850, 41.9561, 59.0655



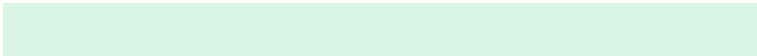
50.2949, 41.9561, 33.2442

# Sweetspot

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



30.8008, 41.9578, 34.4929



75.6676, 85.7498, 86.9942



35.5197, 44.6302, 23.8824



16.0087, 18.3108, 18.4042



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438



# Same Dimension

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



30.8008, 41.9578, 34.4929



50.9538, 73.6762, 55.7103



33.9165, 43.2041, 50.8999



9.5739, 10.7157, 11.0058



13.2799, 24.9022, 9.5365



0.5530, 0.9886, 0.5463



# Inverse Universe

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



33.3904, 26.1178, 35.6307



56.3460, 40.6625, 58.0572



30.8462, 25.1001, 22.2331



9.7524, 9.6253, 11.0853



15.9804, 8.0233, 10.4563



0.6581, 0.3271, 0.5789



# Previews

## White Background



This preview shows how the XYZ color 30.7997, 41.9561, 34.4920 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 30.7997, 41.9561, 34.4920 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 30.7997, 41.9561, 34.4920**

## **Background**



This preview shows how black text looks on a background with the XYZ color 30.7997, 41.9561, 34.4920.



This preview shows how white text looks on a background with the XYZ color 30.7997, 41.9561,



# 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

30.7997, 41.9561, 34.4920

### Protanopia

39.0146, 41.4658, 30.7583

### Deuteranopia

42.1509, 41.3081, 35.8887



## Tritanopia

35.5409, 41.7004, 58.4003

# Trichromacy



## Original Color

30.7997, 41.9561, 34.4920

## Protanomaly

35.1764, 41.1949, 32.0840

## Deuteranomaly

36.8704, 40.8313, 35.2161

## Tritanomaly

33.7346, 41.8956, 48.9565

# Monochromacy



## Original Color

30.7997, 41.9561, 34.4920

## Achromatopsia

34.8123, 36.6253, 39.8849

## Achromatomaly

32.9567, 38.1767, 37.9796

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 30.7997, 41.9561, 34.4920 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(118, 188, 148)` looks like.

```
.text, #text, p{  
    color:rgb(118, 188, 148)  
}
```

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(118, 188, 148) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 188, 148) }
```

## Border

The CSS property to change the border of an element to XYZ 30.7997, 41.9561, 34.4920 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(118, 188, 148) }
```



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

```
.border{ border-color:rgb(118, 188, 148) }
```

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

Here you see how a box with a 4 pixel `rgb(118, 188, 148)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 188, 148); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 188, 148);  
box-shadow:4px 4px 4px 4px rgb(118, 188,  
148) }
```

# Background

The CSS property to change the background color of an element to XYZ 30.7997, 41.9561, 34.4920 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 188, 148) }
```

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

```
.background{ background-color: rgb(118,  
188, 148) }
```

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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