

# Converting Colors

XYZ(35.7146, 42.9480, 42.1796)

Have a look what the booklet for  
XYZ(35.7146, 42.9480, 42.1796)  
contains.

<b>XYZ(35.7861, 43.1086, 42.0320)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	12
<i><b>Previews</b></i> .....	24
<i><b>Color Blindness Simulation</b></i> .....	28
<i><b>CSS Examples</b></i> .....	31

# Color

**XYZ(35.7861, 43.1086,  
42.0320)**

# Conversions

## Conversions Part 1

Format	Color
Hex	92B8A5
RGB	146, 184, 165
RGB Percent	57%, 72%, 65%
CMY	0.4274, 0.2784, 0.3529
CMYK	0.21, 0.00, 0.10, 0.28
HSL	150°, 21%, 65%
HSV	150°, 21%, 72%
XYZ	35.7861, 43.1086, 42.0320
YIQ	170.4720, -16.5490, -13.9650

# Conversions

## Conversions Part 2

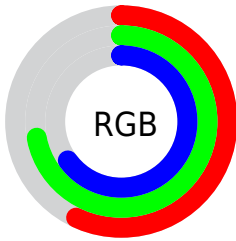
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	146, 171, 184
Decimal	9615525
CIE <sub>Lab</sub>	71.63, -16.66, 5.46
CIE <sub>LCh</sub>	72, 17.535, 161.863
Yxy	43.1086, 0.2959, 0.3565
Android (android.graphics.Color)	4287805605 (0xFF92B8A5)
YUV	170.4720, -2.6977, -21.4619
Hunter-Lab	65.6571, -17.6095, 8.0041

# Details

The XYZ color **35.7861, 43.1086, 42.0320** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **36.8391, 33.4658, 40.1171**, and the grayscale version is **38.4641, 40.4672, 44.0688**.

A 20% lighter version of the original color is **67.8978, 79.7668, 79.5281**, and **15.8163, 19.8577, 18.6221** is the 20% darker color. If you saturate the color by 10%, you get **31.9674, 41.2345, 37.6383**, and if you desaturate by 10%, it is **40.1939, 45.2818, 46.7697**.

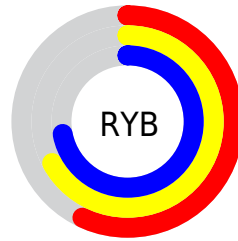
# Distribution



Red (57%)

Green (72%)

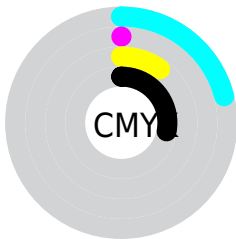
Blue (65%)



Red (57%)

Yellow (67%)

Blue (72%)

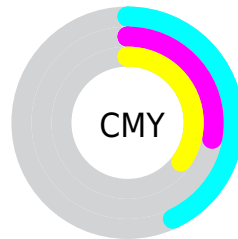


Cyan (21%)

Magenta (0%)

Yellow (10%)

Black (28%)



Cyan (43%)

Magenta (28%)


Yellow (35%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 35.7861, 43.1086, 42.0320 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 35.7861, 43.1086, 42.0320 by changing the saturation by 10% instead.




 35.7861, 43.1086,  
42.0320


 35.7861, 43.1086,  
42.0320


319.4722,  
359.0582, 370.4191

 24.4384, 29.9703,  
28.8006


 68.0278, 79.8747,  
79.5187

 15.7856, 19.8161,  
18.6857


 89.6525, 104.2714,  
104.6110

 9.4625, 12.2614,  
11.2689


115.4336,  
133.1896, 134.4941

 5.1036, 6.9220,  
6.1316

145.7365,  
167.0138, 169.5864

 2.3435, 3.4134,  
2.8552

180.9264,  
206.1283, 210.3065

 0.8168, 1.3511,  
1.0212

221.3687,

 0.0000, 0.1803,

250.9177, 257.0730

0.0000

267.4289,  
301.7662, 310.3044

■ 0.0000, 0.0000,  
0.0000

■ 35.7861, 43.1086,  
42.0320

■ 35.7861, 43.1086,  
42.0320

■ 31.9674, 41.2345,  
37.6383

■ 40.1939, 45.2818,  
46.7697

■ 28.7078, 39.6406,  
33.5778

■ 45.2120, 47.7614,  
51.8560

■ 25.9801, 38.3142,  
29.8434

■ 50.8647, 50.5608,  
57.2990

■ 23.7531, 37.2395,  
26.4266

■ 57.1741, 53.6914,  
63.1060

■ 21.9922, 36.3987,  
23.3185

■ 64.1609, 57.1638,  
69.2837

■ 20.6584, 35.7719,  
20.5097

■ 71.3269, 60.7208,  
75.8144

■ 19.7052, 35.3353,  
17.9902

■ 72.5811, 61.2225,  
82.4188

■ 19.0729, 35.0552,  
15.8854

■ 73.9034, 61.7514,  
89.3820

■ 75.2949, 62.3080,  
96.7095

# Harmonies

## Analogous

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



37.2819, 43.1086, 35.7881



35.7861, 43.1086, 42.0320



35.6386, 43.1086, 50.3784

# Triad

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



35.7861, 43.1086, 42.0320



42.1578, 43.1086, 64.8177



45.3720, 43.1086, 36.8542

# Complementary

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



35.7861, 43.1086, 42.0320



36.8391, 33.4658, 40.1171

# 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.



46.8157, 43.1086, 43.6578



35.7861, 43.1086, 42.0320



44.9009, 43.1086, 60.1919

# Square

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



35.7861, 43.1086, 42.0320



39.2226, 43.1086, 64.2452



46.6393, 43.1086, 52.2115



42.7756, 43.1086, 33.0567



# Rectangle

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



35.7861, 43.1086, 42.0320



36.3153, 43.1086, 56.1048



46.6393, 43.1086, 52.2115



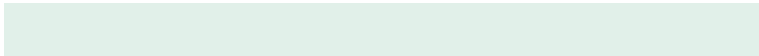
46.0137, 43.1086, 38.8283

# Sweetspot

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



35.7873, 43.1104, 42.0330



76.8603, 84.0575, 88.8970



37.9794, 44.4257, 33.7680



16.4444, 18.0593, 19.0370



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

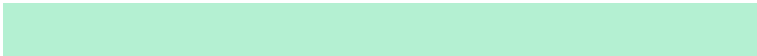


# Same Dimension

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



35.7873, 43.1104, 42.0330



61.4418, 76.4600, 72.3201



37.5815, 43.8281, 51.4811



9.0726, 10.1330, 10.5395



13.1800, 24.1729, 11.1357



0.4959, 0.8647, 0.5571



# Inverse Universe

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



36.8391, 33.4658, 40.1171



63.7097, 55.6647, 68.1892



35.2851, 32.8442, 31.9336



9.1868, 9.0851, 10.3313



14.9906, 7.5700, 7.8375



0.5597, 0.2794, 0.4408



# Previews

## White Background



This preview shows how the XYZ color 35.7861, 43.1086, 42.0320 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

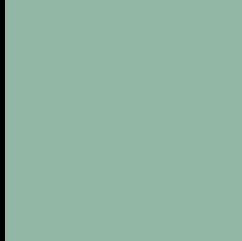
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 35.7861, 43.1086, 42.0320 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 35.7861, 43.1086, 42.0320**

## **Background**



This preview shows how black text looks on a background with the XYZ color 35.7861, 43.1086, 42.0320.



This preview shows how white text looks on a background with the XYZ color 35.7861, 43.1086,



# 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

35.7861, 43.1086, 42.0320

### Protanopia

40.7726, 42.7553, 39.3613

### Deuteranopia

43.5040, 42.6724, 42.9895



## Tritanopia

38.8214, 43.1169, 57.3152

# Trichromacy



## Original Color

35.7861, 43.1086, 42.0320

## Protanomaly

38.8042, 42.8844, 40.4147

## Deuteranomaly

40.2426, 42.4092, 42.6240

## Tritanomaly

37.4655, 42.8562, 51.0972

# Monochromacy



## Original Color

35.7861, 43.1086, 42.0320

## Achromatopsia

38.2080, 40.1978, 43.7754

## Achromatomaly

37.0958, 41.0642, 43.0168

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 35.7861, 43.1086, 42.0320 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(146, 184, 165) looks like.

```
.text, #text, p{  
    color:rgb(146, 184, 165)  
}
```

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(146, 184, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(146, 184, 165) }
```

## Border

The CSS property to change the border of an element to XYZ 35.7861, 43.1086, 42.0320 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(146, 184, 165) }
```



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

```
.border{ border-color:rgb(146, 184, 165) }
```

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

Here you see how a box with a 4 pixel `rgb(146, 184, 165)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(146, 184, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(146, 184, 165);  
box-shadow:4px 4px 4px 4px rgb(146, 184,  
165) }
```

# Background

The CSS property to change the background color of an element to XYZ 35.7861, 43.1086, 42.0320 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(146, 184, 165) }
```

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

```
.background{ background-color: rgb(146,  
184, 165) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor