

# Converting Colors

XYZ(34.4298, 35.6810, 19.9933)

Have a look what the booklet for  
XYZ(34.4298, 35.6810, 19.9933)  
contains.

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# Color

**XYZ(34.3875, 35.5465,  
20.0877)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	B69E6F
RGB	182, 158, 111
RGB Percent	71%, 62%, 44%
CMY	0.2863, 0.3804, 0.5647
CMYK	0.00, 0.13, 0.39, 0.29
HSL	40°, 33%, 57%
HSV	40°, 39%, 71%
XYZ	34.3875, 35.5465, 20.0877
YIQ	159.8180, 29.3910, -9.5290

# Conversions

## Conversions Part 2

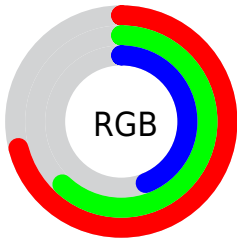
<b>Format</b>	<b>Color</b>
<b>RYB</b>	147, 182, 111
Decimal	11968111
CIELab	66.17, 2.09, 27.82
CIELCh	66, 27.899, 85.704
Yxy	35.5465, 0.3820, 0.3949
Android (android.graphics.Color)	4290158191 (0xFFB69E6F)
YUV	159.8180, -24.0673, 19.4536
Hunter-Lab	59.6209, -1.3832, 21.7584

# Details

The XYZ color **34.3875, 35.5465, 20.0877** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **23.6628, 24.0841, 47.6574**, and the grayscale version is **33.4284, 35.1692, 38.2993**.

A 20% lighter version of the original color is **66.0017, 68.5836, 44.4096**, and **15.0293, 15.4524, 6.7479** is the 20% darker color. If you saturate the color by 10%, you get **32.4629, 33.1409, 14.9958**, and if you desaturate by 10%, it is **36.5706, 38.1421, 26.2739**.

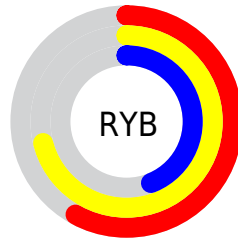
# Distribution



Red (71%)

Green (62%)

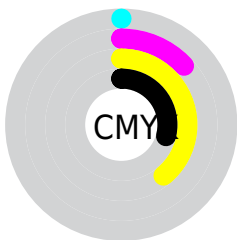
Blue (44%)



Red (58%)

Yellow (71%)

Blue (44%)

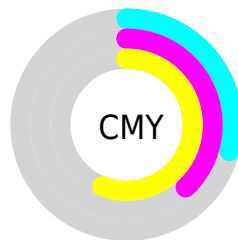


Cyan (0%)

Magenta (13%)

Yellow (39%)

Black (29%)



Cyan (29%)

Magenta (38%)


Yellow (56%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 34.3875, 35.5465, 20.0877 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 34.3875, 35.5465, 20.0877 by changing the saturation by 10% instead.





 34.3875, 35.5465,  
20.0877


 34.3875, 35.5465,  
20.0877


313.4121,  
326.9740, 265.0094


 23.3557, 24.0842,  
12.2741


 65.8761, 68.3315,  
44.4251


 14.9785, 15.3961,  
6.8058


 87.0637, 90.4230,  
61.7859

 8.8905, 9.0978,  
3.2644


 112.3672,  
116.8263, 83.1663

 4.7264, 4.8050,  
1.2312

 142.1521,  
147.9258, 108.9847

 2.1207, 2.1333,  
0.0044

176.7837,  
184.1059, 139.6596

 0.7005, 0.6833,  
0.0000

216.6273,

 0.0000, 0.0000,

225.7511, 175.6097

0.0000

262.0483,  
273.2457, 217.2535

■ 34.3875, 35.5465,  
20.0877

■ 34.3875, 35.5465,  
20.0877

■ 32.4629, 33.1409,  
14.9958

■ 36.5706, 38.1421,  
26.2739

■ 30.7809, 30.9139,  
10.9300

■ 39.0217, 40.9289,  
33.6127

■ 29.3278, 28.8600,  
7.8179


■ 41.7531, 43.9142,  
42.1608


■ 28.0870, 26.9713,  
5.5765


■ 44.7752, 47.1033,  
51.9704


■ 27.0393, 25.2389,  
4.1084


■ 48.0982, 50.5014,  
63.0908

 26.1506, 23.6478,  
3.2379

 51.7315, 54.1134,  
75.5686

 26.0669, 23.4961,  
3.1613

 55.6842, 57.9439,  
89.4480

 59.7058, 61.8940,  
103.4076

 61.2273, 64.9369,  
103.9148

# Harmonies

## Analogous

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



38.4871, 35.5465, 22.7210



34.3875, 35.5465, 20.0877



30.4401, 35.5465, 21.5411

# Triad

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



34.3875, 35.5465, 20.0877



27.0906, 35.5465, 49.4921



40.8201, 35.5465, 53.0702

# Complementary

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



34.3875, 35.5465, 20.0877



23.6628, 24.0841, 47.6574

# 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.



37.3682, 35.5465, 63.1782



34.3875, 35.5465, 20.0877



29.4840, 35.5465, 60.8332

# Square

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



34.3875, 35.5465, 20.0877



26.4335, 35.5465, 37.0164



33.1913, 35.5465, 66.2751



42.3889, 35.5465, 40.4423



# Rectangle

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



34.3875, 35.5465, 20.0877



28.3877, 35.5465, 24.8313



33.1913, 35.5465, 66.2751



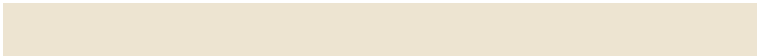
39.8284, 35.5465, 56.9688

# Sweetspot

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



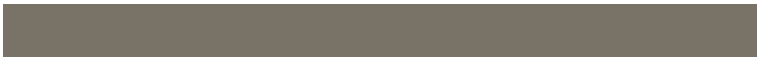
34.3884, 35.5482, 20.0884



74.0605, 77.8483, 71.2447



29.4094, 23.0877, 26.1434



16.2142, 17.0382, 15.2848



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.



34.3884, 35.5482, 20.0884



59.2551, 60.5968, 28.2070



36.4682, 43.3009, 21.4752



9.4876, 9.9782, 9.5328



18.4715, 16.7194, 2.2536



0.7059, 0.6989, 0.0977



# Inverse Universe

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



23.6628, 24.0841, 47.6574



37.0276, 36.8575, 85.3984



22.1049, 18.8588, 46.7310



8.7626, 9.2023, 11.3938



7.2163, 4.8923, 31.8170



0.3131, 0.2899, 1.1412



# Previews

## White Background



This preview shows how the XYZ color 34.3875, 35.5465, 20.0877 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 34.3875, 35.5465, 20.0877 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 34.3875, 35.5465, 20.0877**

## **Background**



This preview shows how black text looks on a background with the XYZ color 34.3875, 35.5465, 20.0877.



This preview shows how white text looks on a background with the XYZ color 34.3875, 35.5465,



# 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

34.3875, 35.5465, 20.0877

### Protanopia

33.1251, 35.6583, 20.4661

### Deuteranopia

36.2185, 35.4875, 20.2701



## Tritanopia

38.1710, 35.3424, 39.4603

# Trichromacy



## Original Color

34.3875, 35.5465, 20.0877

## Protanomaly

33.6269, 35.6586, 20.4397

## Deuteranomaly

35.3850, 35.3039, 20.2786

## Tritanomaly

36.5972, 35.4391, 31.2971

# Monochromacy



## Original Color

34.3875, 35.5465, 20.0877

## Achromatopsia

33.4132, 35.1533, 38.2819

## Achromatomaly

33.4291, 35.0741, 30.5993

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 34.3875, 35.5465, 20.0877 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(182, 158, 111)` looks like.

```
.text, #text, p{  
    color:rgb(182, 158, 111)  
}
```

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(182, 158, 111) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(182, 158, 111) }
```

## Border

The CSS property to change the border of an element to XYZ 34.3875, 35.5465, 20.0877 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(182, 158, 111) }
```



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

```
.border{ border-color:rgb(182, 158, 111) }
```

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

Here you see how a box with a 4 pixel `rgb(182, 158, 111)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(182, 158, 111); -webkit-box-  
shadow:4px 4px 4px 4px rgb(182, 158, 111);  
box-shadow:4px 4px 4px 4px rgb(182, 158,  
111) }
```

# Background

The CSS property to change the background color of an element to XYZ 34.3875, 35.5465, 20.0877 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(182, 158, 111) }
```

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

```
.background{ background-color: rgb(182,  
158, 111) }
```

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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