

# Converting Colors

XYZ(35.3726, 41.7444, 31.8116)

Have a look what the booklet for  
XYZ(35.3726, 41.7444, 31.8116)  
contains.

<b>XYZ(35.3007, 41.5641, 31.7533)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(35.3007, 41.5641,  
31.7533)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	9FB38E
RGB	159, 179, 142
RGB Percent	62%, 70%, 56%
CMY	0.3765, 0.2980, 0.4431
CMYK	0.11, 0.00, 0.21, 0.30
HSL	92°, 20%, 63%
HSV	92°, 21%, 70%
XYZ	35.3007, 41.5641, 31.7533
YIQ	168.8020, -0.0430, -15.7470

# Conversions

## Conversions Part 2

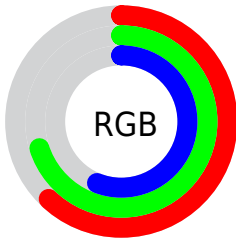
<b>Format</b>	<b>Color</b>
<b>RYB</b>	142, 179, 162
Decimal	10466190
CIELab	70.57, -13.74, 16.63
CIElCh	71, 21.569, 129.563
Yxy	41.5641, 0.3250, 0.3827
Android (android.graphics.Color)	4288656270 (0xFF9FB38E)
YUV	168.8020, -13.2134, -8.5964
Hunter-Lab	64.4702, -15.0851, 15.9273

# Details

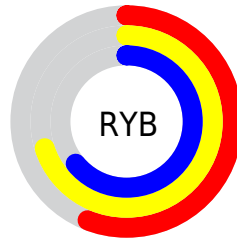
The XYZ color **35.3007, 41.5641, 31.7533** is a light color, and the websafe version is hex **999966**. A complement of this color would be **32.7115, 30.2831, 46.7711**, and the grayscale version is **37.6784, 39.6406, 43.1686**.

A 20% lighter version of the original color is **67.4037, 77.6983, 63.6693**, and **15.4560, 18.8202, 12.9433** is the 20% darker color. If you saturate the color by 10%, you get **32.2191, 40.1197, 25.1481**, and if you desaturate by 10%, it is **38.7506, 43.1759, 39.5041**.

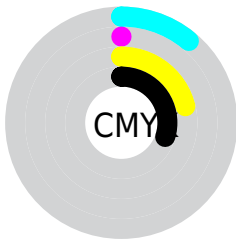
# Distribution



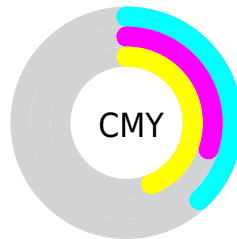
- Red (62%)
- Green (70%)
- Blue (56%)



- Red (56%)
- Yellow (70%)
- Blue (64%)



- Cyan (11%)
- Magenta (0%)
- Yellow (21%)
- Black (30%)




- Cyan (38%)
- Magenta (30%)
- Yellow (44%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 35.3007, 41.5641, 31.7533 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 35.3007, 41.5641, 31.7533 by changing the saturation by 10% instead.





 35.3007, 41.5641,  
31.7533


 35.3007, 41.5641,  
31.7533


317.3784,  
352.6728, 324.4519


 24.0622, 28.7601,  
20.9099


 67.2823, 77.5395,  
63.5175

 15.5048, 18.8994,  
12.8675


 88.7561, 101.4797,  
85.2755

 9.2630, 11.5976,  
7.2077


 114.3724,  
129.9007, 111.5086

 4.9716, 6.4703,  
3.5119

144.4965,  
163.1870, 142.6355

 2.2652, 3.1331,  
1.3616

179.4938,  
201.7230, 179.0748

 0.7768, 1.2016,  
0.1115

219.7297,

 0.0000, 0.0630,

245.8930, 221.2449

0.0000

265.5694,  
296.0815, 269.5645

■ 0.0000, 0.0000,  
0.0000

■ 35.3007, 41.5641,  
31.7533

■ 35.3007, 41.5641,  
31.7533

■ 32.2191, 40.1197,  
25.1481

■ 38.7506, 43.1759,  
39.5041

■ 29.4888, 38.8315,  
19.6315

■ 42.5785, 44.9552,  
48.4486

■ 27.0963, 37.6949,  
15.1456

■ 46.7976, 46.9091,  
58.6352

■ 25.0257, 36.7032,  
11.6262

■ 51.4196, 49.0427,  
70.1090

■ 23.2596, 35.8490,  
9.0018

■ 56.4556, 51.3607,  
82.9128

■ 21.7786, 35.1241,  
7.1909

■ 61.9163, 53.8677,  
97.0874

■ 20.5602, 34.5190,  
6.0972

■ 65.7668, 55.7501,  
101.9023

■ 19.6213, 34.0463,  
5.5375

■ 68.9008, 57.3657,  
102.0490

■ 72.2089, 59.0711,  
102.2038

# Harmonies

## Analogous

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



38.3782, 41.5641, 28.5351



35.3007, 41.5641, 31.7533



33.4274, 41.5641, 38.7453

# Triad

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



35.3007, 41.5641, 31.7533



37.1613, 41.5641, 66.2432



46.6533, 41.5641, 42.0743

# Complementary

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



35.3007, 41.5641, 31.7533



32.7115, 30.2831, 46.7711

# 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.



46.2789, 41.5641, 52.4585



35.3007, 41.5641, 31.7533



40.6545, 41.5641, 67.4914

# Square

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



35.3007, 41.5641, 31.7533



34.4559, 41.5641, 58.9382



44.0315, 41.5641, 62.1293



45.0256, 41.5641, 33.8747



# Rectangle

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



35.3007, 41.5641, 31.7533



33.0433, 41.5641, 45.1068



44.0315, 41.5641, 62.1293



46.7595, 41.5641, 45.4060

# Sweetspot

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



35.3018, 41.5659, 31.7542



72.4452, 78.7410, 77.7971



36.3479, 37.2850, 30.8728



15.9536, 17.4002, 17.0109



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787



# Same Dimension

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



35.3018, 41.5659, 31.7542



60.5183, 73.1733, 50.9978



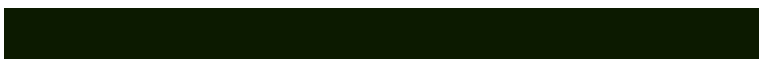
32.2522, 39.9830, 32.0976



8.7476, 9.6749, 9.0589



13.9380, 24.0954, 3.9163



0.5061, 0.7930, 0.1264



# Inverse Universe

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



32.7115, 30.2831, 46.7711



55.0027, 49.1515, 82.9694



36.2774, 32.1358, 46.2896



8.4661, 8.4488, 10.6909



9.2915, 4.1257, 30.4436



0.3587, 0.1640, 0.9610



# Previews

## White Background



This preview shows how the XYZ color 35.3007, 41.5641, 31.7533 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

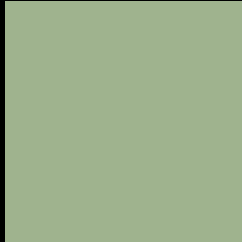
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 35.3007, 41.5641, 31.7533 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

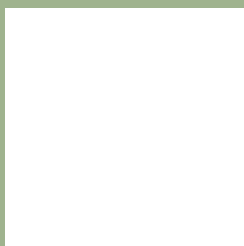
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 35.3007, 41.5641, 31.7533**

## **Background**



This preview shows how black text looks on a background with the XYZ color 35.3007, 41.5641, 31.7533.



This preview shows how white text looks on a background with the XYZ color 35.3007, 41.5641,



# 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

35.3007, 41.5641, 31.7533

### Protanopia

38.9412, 41.4364, 30.3717

### Deuteranopia

42.3002, 41.4589, 32.5610



## Tritanopia

39.6391, 41.5820, 52.9506

# Trichromacy



## Original Color

35.3007, 41.5641, 31.7533

## Protanomaly

37.5192, 41.5521, 30.8538

## Deuteranomaly

39.3641, 41.3298, 32.2883

## Tritanomaly

37.7849, 41.3867, 44.5250

# Monochromacy



## Original Color

35.3007, 41.5641, 31.7533

## Achromatopsia

37.7116, 39.6755, 43.2066

## Achromatomaly

36.7186, 40.3897, 38.6616

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 35.3007, 41.5641, 31.7533 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(159, 179, 142)` looks like.

```
.text, #text, p{  
    color:rgb(159, 179, 142)  
}
```

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(159, 179, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 179, 142) }
```

## Border

The CSS property to change the border of an element to XYZ 35.3007, 41.5641, 31.7533 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(159, 179, 142) }
```



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

```
.border{ border-color:rgb(159, 179, 142) }
```

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

Here you see how a box with a 4 pixel `rgb(159, 179, 142)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 179, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 179, 142);  
box-shadow:4px 4px 4px 4px rgb(159, 179,  
142) }
```

# Background

The CSS property to change the background color of an element to XYZ 35.3007, 41.5641, 31.7533 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 179, 142) }
```

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

```
.background{ background-color: rgb(159,  
179, 142) }
```

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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