

# Converting Colors

XYZ(35.3924, 38.9770, 18.8621)

Have a look what the booklet for  
XYZ(35.3924, 38.9770, 18.8621)  
contains.

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# Color

**XYZ(35.5090, 39.0787,  
18.7681)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B4A968
RGB	180, 169, 104
RGB Percent	71%, 66%, 41%
CMY	0.2941, 0.3372, 0.5921
CMYK	0.00, 0.06, 0.42, 0.29
HSL	51°, 34%, 56%
HSV	51°, 42%, 71%
XYZ	35.5090, 39.0787, 18.7681
YIQ	164.8790, 27.4210, -17.8830

# Conversions

## Conversions Part 2

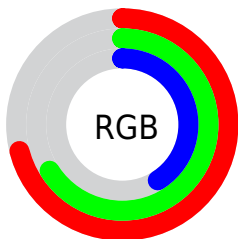
Format	Color
<a href="#">RYB</a>	<a href="#">117, 180, 104</a>
Decimal	<a href="#">11839848</a>
CIELab	<a href="#">68.81, -5.44, 34.92</a>
CIELCh	<a href="#">69, 35.337, 98.858</a>
Yxy	<a href="#">39.0787, 0.3804, 0.4186</a>
Android (android.graphics.Color)	<a href="#">4290029928</a> ( <a href="#">0xFFB4A968</a> )
YUV	<a href="#">164.8790, -30.0133, 13.2611</a>
Hunter-Lab	<a href="#">62.5130, -8.0050, 25.9586</a>

# Details

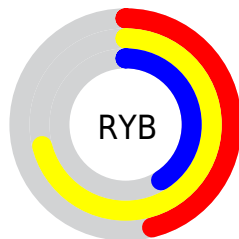
The XYZ color **35.5090, 39.0787, 18.7681** is a light color, and the websafe version is hex **999966**. A complement of this color would be **20.0777, 18.4992, 45.6923**, and the grayscale version is **35.8371, 37.7034, 41.0590**.

A 20% lighter version of the original color is **67.5815, 73.7161, 42.1192**, and **15.6551, 17.4340, 6.1544** is the 20% darker color. If you saturate the color by 10%, you get **34.2113, 37.7935, 14.2962**, and if you desaturate by 10%, it is **37.0135, 40.4648, 24.2726**.

# Distribution



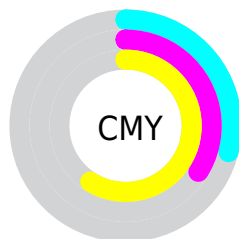
- Red (71%)
- Green (66%)
- Blue (41%)



- Red (46%)
- Yellow (71%)
- Blue (41%)



- Cyan (0%)
- Magenta (6%)
- Yellow (42%)
- Black (29%)



- Cyan (29%)
- Magenta (34%)
- Yellow (59%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 35.5090, 39.0787, 18.7681 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 35.5090, 39.0787, 18.7681 by changing the saturation by 10% instead.



■ 35.5090, 39.0787,  
18.7681

■ 35.5090, 39.0787,  
18.7681

318.2782,  
342.2250, 257.5455

■ 24.2236, 26.8210,  
11.3277

■ 67.6024, 73.7585,  
42.1733

■ 15.6252, 17.4388,  
6.1708

■ 89.1411, 96.9494,  
58.9753

■ 9.3485, 10.5478,  
2.8787

■ 114.8282,  
124.5534, 79.7348

■ 5.0281, 5.7637,  
1.0331

■ 145.0291,  
156.9551, 104.8705

■ 2.2987, 2.7019,  
0.0000

180.1092,  
194.5386, 134.8009

■ 0.7940, 0.9782,  
0.0000

220.4339,

■ 0.0000, 0.0000,

237.6885, 169.9445

0.0000

266.3684,  
286.7892, 210.7198

■ 35.5090, 39.0787,  
18.7681

■ 35.5090, 39.0787,  
18.7681

■ 34.2113, 37.7935,  
14.2962

■ 37.0135, 40.4648,  
24.2726

■ 33.1048, 36.5988,  
10.7886

■ 38.7333, 41.9512,  
30.8676

■ 32.1766, 35.4906,  
8.1723

■ 40.6801, 43.5440,  
38.6093

■ 31.4105, 34.4625,  
6.3631

■ 42.8636, 45.2472,  
47.5496

■ 30.7874, 33.5066,  
5.2603

■ 45.2933, 47.0647,  
57.7371

■ 30.3711, 32.8008,  
4.7305

■ 47.9777, 48.9999,  
69.2177

■ 50.9254, 51.0564,  
82.0349

■ 54.1442, 53.2373,  
96.2303

■ 55.8191, 54.8169,  
102.2465

# Harmonies

## Analogous

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



41.1652, 39.0787, 19.7756



35.5090, 39.0787, 18.7681



30.7867, 39.0787, 22.7650

# Triad

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



35.5090, 39.0787, 18.7681



29.3708, 39.0787, 64.9874



48.1227, 39.0787, 54.6747

# Complementary

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



35.5090, 39.0787, 18.7681



20.0777, 18.4992, 45.6923

# 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.



44.3193, 39.0787, 71.3765



35.5090, 39.0787, 18.7681



33.3919, 39.0787, 78.2953

# Square

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



35.5090, 39.0787, 18.7681



27.4842, 39.0787, 47.4794



38.8266, 39.0787, 80.8889



48.8352, 39.0787, 37.9743



# Rectangle

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



35.5090, 39.0787, 18.7681



28.6656, 39.0787, 28.5071



38.8266, 39.0787, 80.8889



47.1462, 39.0787, 60.5809

# Sweetspot

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



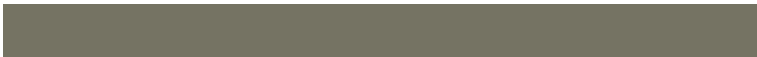
35.5100, 39.0805, 18.7689



73.3894, 78.6569, 68.5052



26.8905, 20.8513, 18.9485



15.6898, 16.8616, 14.1151



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.



35.5100, 39.0805, 18.7689



62.1087, 68.6065, 26.1747



32.0326, 40.4532, 19.2172



9.0902, 9.6929, 9.0443



21.2350, 22.9687, 3.3142



0.6966, 0.7797, 0.1138



# Inverse Universe

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



20.0777, 18.4992, 45.6923



30.2889, 26.1909, 81.7536



22.4871, 17.9898, 45.4670



8.1379, 8.4220, 10.7030



6.0393, 2.8789, 30.3744



0.2210, 0.1525, 0.9660



# Previews

## White Background



This preview shows how the XYZ color 35.5090, 39.0787, 18.7681 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 35.5090, 39.0787, 18.7681 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

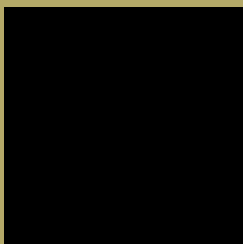
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

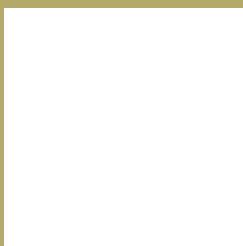
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 35.5090, 39.0787, 18.7681

## Background



This preview shows how black text looks on a background with the XYZ color 35.5090, 39.0787, 18.7681.



This preview shows how white text looks on a background with the XYZ color 35.5090, 39.0787,



# 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

35.5090, 39.0787, 18.7681

### Protanopia

36.0298, 39.0720, 18.7394

### Deuteranopia

39.8009, 38.8787, 19.0423



## Tritanopia

40.7812, 39.0717, 44.9273

# Trichromacy



## Original Color

35.5090, 39.0787, 18.7681

## Protanomaly

35.7927, 38.9498, 18.7283

## Deuteranomaly

38.1527, 38.8164, 18.8461

## Tritanomaly

38.3879, 38.8794, 33.4982

# Monochromacy



## Original Color

35.5090, 39.0787, 18.7681

## Achromatopsia

35.7637, 37.6262, 40.9749

## Achromatomaly

35.1717, 37.8017, 31.4293

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 35.5090, 39.0787, 18.7681 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(180, 169, 104)` looks like.

```
.text, #text, p{  
    color:rgb(180, 169, 104)  
}
```

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(180, 169, 104) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 169, 104) }
```

## Border

The CSS property to change the border of an element to XYZ 35.5090, 39.0787, 18.7681 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(180, 169, 104) }
```



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

```
.border{ border-color:rgb(180, 169, 104) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 169, 104)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 169, 104); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 169, 104);  
box-shadow:4px 4px 4px 4px rgb(180, 169,  
104) }
```

# Background

The CSS property to change the background color of an element to XYZ 35.5090, 39.0787, 18.7681 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 169, 104) }
```

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

```
.background{ background-color: rgb(180,  
169, 104) }
```

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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