

# Converting Colors

XYZ(41.0926, 44.4781, 49.3877)

Have a look what the booklet for  
XYZ(41.0926, 44.4781, 49.3877)  
contains.

<b>XYZ(41.1370, 44.4839, 49.5981)</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(41.1370, 44.4839,  
49.5981)**

# Conversions

## Conversions Part 1

Format	Color
Hex	AAB4B4
RGB	170, 180, 180
RGB Percent	67%, 71%, 71%
CMY	0.3333, 0.2941, 0.2941
CMYK	0.06, 0.00, 0.00, 0.29
HSL	180°, 6%, 69%
HSV	180°, 6%, 71%
XYZ	41.1370, 44.4839, 49.5981
YIQ	177.0100, -5.9600, -2.1200

# Conversions

## Conversions Part 2

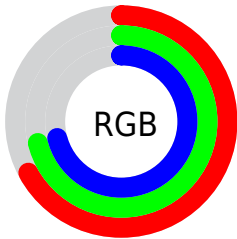
Format	Color
<a href="#">RYB</a>	<a href="#">170, 175, 180</a>
Decimal	<a href="#">11187380</a>
CIELab	<a href="#">72.55, -3.47, -1.21</a>
CIELCh	<a href="#">73, 3.678, 199.239</a>
Yxy	<a href="#">44.4839, 0.3042, 0.3290</a>
Android (android.graphics.Color)	<a href="#">4289377460</a> ( <a href="#">0xFFAAB4B4</a> )
YUV	<a href="#">177.0100, 1.4741, -6.1478</a>
Hunter-Lab	<a href="#">66.6963, -6.6230, 2.5969</a>

# Details

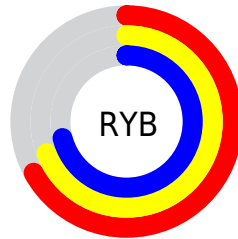
The XYZ color **41.1370, 44.4839, 49.5981** is a light color, and the websafe version is hex **999999**. A complement of this color would be **40.4544, 41.3561, 43.8826**, and the grayscale version is **41.7910, 43.9674, 47.8805**.

A 20% lighter version of the original color is **76.1871, 82.0546, 91.1795**, and **18.8914, 20.5626, 23.0520** is the 20% darker color. If you saturate the color by 10%, you get **37.5089, 42.6149, 49.4262**, and if you desaturate by 10%, it is **45.3005, 46.6314, 49.7969**.

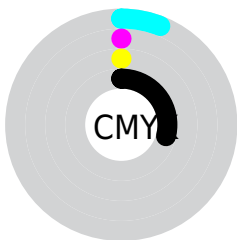
# Distribution



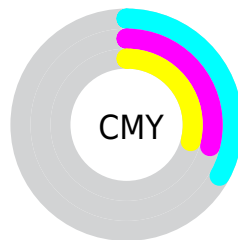
- Red (67%)
- Green (71%)
- Blue (71%)



- Red (67%)
- Yellow (69%)
- Blue (71%)



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



- Cyan (33%)
- Magenta (29%)
- Yellow (29%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 41.1370, 44.4839, 49.5981 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 41.1370, 44.4839, 49.5981 by changing the saturation by 10% instead.



■ 41.1370, 44.4839,  
49.5981

■ 41.1370, 44.4839,  
49.5981

341.9457,  
364.6793, 401.7821

■ 28.6143, 31.0511,  
34.7252

■ 76.1652, 81.9454,  
90.9693

■ 18.9320, 20.6378,  
23.1694

99.4014, 106.7429,  
118.3047

■ 11.7249, 12.8595,  
14.5122

126.9395,  
136.0974, 150.6313

■ 6.6275, 7.3319,  
8.3350

159.1449,  
170.3934, 188.3677

■ 3.2745, 3.6705,  
4.2192

196.3828,  
210.0152, 231.9325

■ 1.3005, 1.4910,  
1.7463

239.0187,

■ 0.1836, 0.2824,

255.3471, 281.7441

0.3922

287.4179,  
306.7737, 338.2211

0.0000, 0.0000,  
0.0000

41.1370, 44.4839,  
49.5981

41.1370, 44.4839,  
49.5981

37.5089, 42.6149,  
49.4262

45.3005, 46.6314,  
49.7969

34.3909, 41.0075,  
49.2773

50.0158, 49.0622,  
50.0206

31.7612, 39.6519,  
49.1512

55.3034, 51.7880,  
50.2710

29.5951, 38.5353,  
49.0468

61.1817, 54.8183,  
50.5491

27.8658, 37.6439,  
48.9629

65.8034, 57.2008,  
50.7684

■ 26.5435, 36.9623,  
48.8980

■ 65.8039, 57.2010,  
50.7715

■ 25.5951, 36.4734,  
48.8506

■ 65.8045, 57.2012,  
50.7745

■ 24.9818, 36.1574,  
48.8189

■ 65.8051, 57.2015,  
50.7775

■ 24.6554, 35.9892,  
48.8006

■ 65.8057, 57.2017,  
50.7806

# Harmonies

## Analogous

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



41.0911, 44.4839, 47.7847



41.1370, 44.4839, 49.5981



41.4875, 44.4839, 51.1357

# Triad

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



41.1370, 44.4839, 49.5981



43.2132, 44.4839, 50.7572



42.5093, 44.4839, 45.0770

# Complementary

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



41.1370, 44.4839, 49.5981



40.4544, 41.3561, 43.8826

# 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.



43.0837, 44.4839, 45.8319



41.1370, 44.4839, 49.5981



43.4929, 44.4839, 49.0920

# Square

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



41.1370, 44.4839, 49.5981



42.6847, 44.4839, 51.8164



43.4452, 44.4839, 47.2910



41.8791, 44.4839, 45.2048



# Rectangle

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



41.1370, 44.4839, 49.5981



41.8488, 44.4839, 51.7831



43.4452, 44.4839, 47.2910



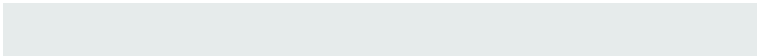
42.7154, 44.4839, 45.2352

# Sweetspot

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



41.1383, 44.4858, 49.5991



77.1350, 81.9706, 90.0500



40.1918, 44.1114, 44.4267



16.6890, 17.7257, 19.4638



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.



41.1383, 44.4858, 49.5991



73.4975, 80.0955, 89.8770



40.1794, 42.5676, 49.2810



8.8961, 9.7107, 10.9113



17.1370, 25.0808, 34.0540



0.5392, 0.7892, 1.0717



# Inverse Universe

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



40.4544, 41.3561, 43.8826



71.9255, 72.9009, 76.7358



41.3773, 43.2023, 44.1888



8.6967, 8.7983, 9.2449



13.1371, 6.7724, 0.6162



0.4134, 0.2131, 0.0196



# Previews

## White Background



This preview shows how the XYZ color 41.1370, 44.4839, 49.5981 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

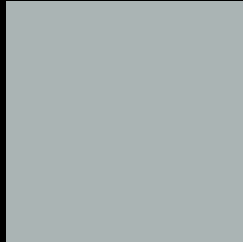
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 41.1370, 44.4839, 49.5981 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

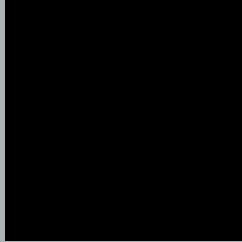
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

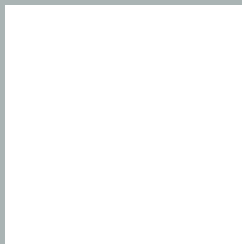
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 41.1370, 44.4839, 49.5981

## Background



This preview shows how black text looks on a background with the XYZ color 41.1370, 44.4839, 49.5981.



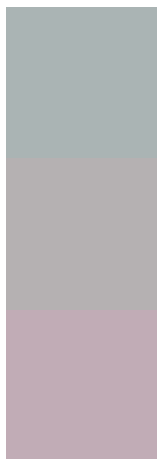
This preview shows how white text looks on a background with the XYZ color 41.1370, 44.4839,



# 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

41.1370, 44.4839, 49.5981

### Protanopia

42.8141, 44.4824, 48.4489

### Deuteranopia

45.1883, 44.2199, 50.4096



## Tritanopia

42.4481, 44.4172, 56.2053

# Trichromacy



## Original Color

41.1370, 44.4839, 49.5981

## Protanomaly

42.1885, 44.4426, 49.0025

## Deuteranomaly

43.6780, 44.3104, 49.9667

## Tritanomaly

41.9918, 44.5290, 53.9587

# Monochromacy



## Original Color

41.1370, 44.4839, 49.5981

## Achromatopsia

41.7894, 43.9657, 47.8787

## Achromatomaly

41.4118, 44.0538, 48.4401

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 41.1370, 44.4839, 49.5981 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(170, 180, 180)` looks like.

```
.text, #text, p{  
    color:rgb(170, 180, 180)  
}
```

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(170, 180, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 180, 180) }
```

## Border

The CSS property to change the border of an element to XYZ 41.1370, 44.4839, 49.5981 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(170, 180, 180) }
```



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

```
.border{ border-color:rgb(170, 180, 180) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 180, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 180, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 180, 180);  
box-shadow:4px 4px 4px 4px rgb(170, 180,  
180) }
```

# Background

The CSS property to change the background color of an element to XYZ 41.1370, 44.4839, 49.5981 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 180, 180) }
```

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

```
.background{ background-color: rgb(170,  
180, 180) }
```

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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