

# Converting Colors

XYZ(46.4416, 52.1682, 41.3399)

Have a look what the booklet for  
XYZ(46.4416, 52.1682, 41.3399)  
contains.

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# Color

**XYZ(46.4416, 52.1682,  
41.3399)**

# Conversions

## Conversions Part 1

Format	Color
Hex	BBC3A1
RGB	187, 195, 161
RGB Percent	73%, 76%, 63%
CMY	0.2667, 0.2353, 0.3686
CMYK	0.04, 0.00, 0.17, 0.24
HSL	74°, 22%, 70%
HSV	74°, 17%, 76%
XYZ	46.4416, 52.1682, 41.3399
YIQ	188.7320, 6.1460, -12.2700

# Conversions

## Conversions Part 2

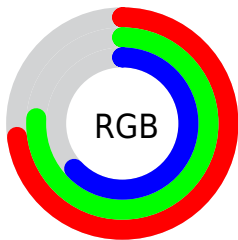
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">161, 195, 169</a>
Decimal	<a href="#">12305313</a>
CIELab	<a href="#">77.38, -8.69, 16.18</a>
CIELCh	<a href="#">77, 18.367, 118.238</a>
Yxy	<a href="#">52.1682, 0.3318, 0.3728</a>
Android (android.graphics.Color)	<a href="#">4290495393 (0xFFBBC3A1)</a>
YUV	<a href="#">188.7320, -13.6719, -1.5190</a>
Hunter-Lab	<a href="#">72.2276, -11.6245, 16.6243</a>

# Details

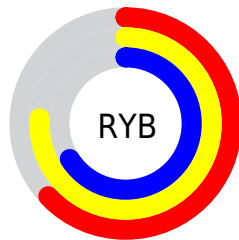
The XYZ color **46.4416, 52.1682, 41.3399** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **38.9594, 37.8663, 56.8881**, and the grayscale version is **48.2910, 50.8059, 55.3276**.

A 20% lighter version of the original color is **84.1672, 93.6334, 78.6027**, and **22.1167, 25.2222, 18.1707** is the 20% darker color. If you saturate the color by 10%, you get **43.7497, 50.9655, 32.9267**, and if you desaturate by 10%, it is **49.4404, 53.5013, 51.1696**.

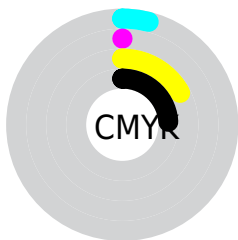
# Distribution



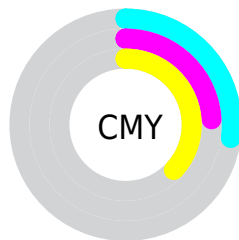
- Red (73%)
- Green (76%)
- Blue (63%)



- Red (63%)
- Yellow (76%)
- Blue (66%)



- Cyan (4%)
- Magenta (0%)
- Yellow (17%)
- Black (24%)



- Cyan (27%)
- Magenta (24%)
- Yellow (37%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 46.4416, 52.1682, 41.3399 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 46.4416, 52.1682, 41.3399 by changing the saturation by 10% instead.



■ 46.4416, 52.1682,  
41.3399

■ 46.4416, 52.1682,  
41.3399

363.2674,  
395.0856, 367.4578

■ 32.8005, 37.1392,  
28.2631

■ 84.1033, 93.3793,  
78.4589

■ 22.1322, 25.3153,  
18.2833

■ 108.8547,  
120.3301, 103.3381

■ 14.0712, 16.3121,  
10.9820

138.0402,  
152.0236, 132.9885

■ 8.2522, 9.7453,  
5.9407

172.0252,  
188.8442, 167.8287

■ 4.3099, 5.2304,  
2.7409

211.1751,  
231.1763, 208.2772

■ 1.8789, 2.3831,  
0.9639

255.8552,

■ 0.5645, 0.8172,

279.4043, 254.7525

0.0000

306.4309,  
333.9126, 307.6732

■ 0.0000, 0.0000,  
0.0000

■ 46.4416, 52.1682,  
41.3399

■ 46.4416, 52.1682,  
41.3399

■ 43.7497, 50.9655,  
32.9267

■ 49.4404, 53.5013,  
51.1696

■ 41.3479, 49.8812,  
25.8613

■ 52.7539, 54.9627,  
62.4735

■ 39.2237, 48.9120,  
20.0745


■ 56.3947, 56.5592,  
75.3102

■ 37.3624, 48.0520,  
15.4893


■ 60.3735, 58.2952,  
89.7341


■ 35.7473, 47.2946,  
12.0208


■ 64.1309, 59.9470,  
102.7986


 34.3599, 46.6321,  
9.5727


 65.4564, 60.6303,  
102.8606


 33.1785, 46.0559,  
8.0326

 66.8196, 61.3331,  
102.9244

 32.1724, 45.5537,  
7.2406

 68.2210, 62.0555,  
102.9900

 31.9291, 45.4315,  
7.0863

 69.6607, 62.7977,  
103.0574

# Harmonies

## Analogous

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



49.7933, 52.1682, 39.5033



46.4416, 52.1682, 41.3399



44.0341, 52.1682, 47.1718

# Triad

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



46.4416, 52.1682, 41.3399



46.0965, 52.1682, 74.9856



56.6829, 52.1682, 57.4020

# Complementary

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



46.4416, 52.1682, 41.3399



38.9594, 37.8663, 56.8881

# 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.



55.5823, 52.1682, 67.6617



46.4416, 52.1682, 41.3399



49.3759, 52.1682, 78.5323

# Square

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



46.4416, 52.1682, 41.3399



43.8416, 52.1682, 66.5053



52.8657, 52.1682, 75.7070



55.8078, 52.1682, 48.0922



# Rectangle

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



46.4416, 52.1682, 41.3399



43.2316, 52.1682, 52.9312



52.8657, 52.1682, 75.7070



56.5308, 52.1682, 60.8577

# Sweetspot

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



46.4430, 52.1705, 41.3410



89.8922, 96.4126, 96.1755



43.1161, 42.5280, 39.6552



19.5951, 21.0734, 20.7564



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

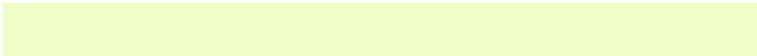


# Same Dimension

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



46.4430, 52.1705, 41.3410



81.2365, 92.5677, 67.8840



42.5418, 50.1594, 41.1585



10.6742, 11.6350, 10.7451



20.8284, 29.5663, 4.6091



0.9575, 1.3072, 0.2018



# Inverse Universe

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



38.9594, 37.8663, 56.8881



65.2927, 62.0888, 101.0128



42.8305, 39.8619, 57.0693



9.7453, 9.8599, 12.6743



7.1948, 2.9695, 33.7506

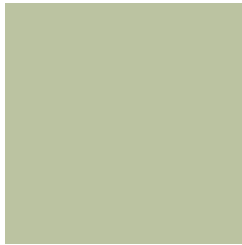


0.3743, 0.1610, 1.4612



# Previews

## White Background



This preview shows how the XYZ color 46.4416, 52.1682, 41.3399 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

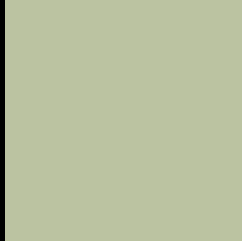
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 46.4416, 52.1682, 41.3399 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

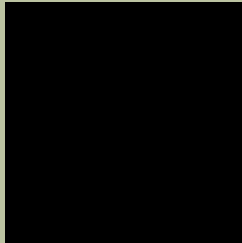
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

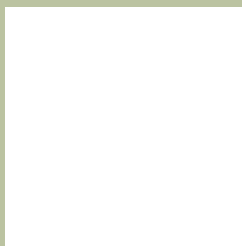
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 46.4416, 52.1682, 41.3399**

## **Background**



This preview shows how black text looks on a background with the XYZ color 46.4416, 52.1682, 41.3399.



This preview shows how white text looks on a background with the XYZ color 46.4416, 52.1682,



# 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

46.4416, 52.1682, 41.3399

### Protanopia

49.2459, 52.3214, 40.3044

### Deuteranopia

52.9648, 51.9854, 41.8930



## Tritanopia

51.0890, 52.0923, 64.4889

# Trichromacy



## Original Color

46.4416, 52.1682, 41.3399

## Protanomaly

48.2208, 52.1077, 40.7740

## Deuteranomaly

50.2369, 51.8405, 41.5409

## Tritanomaly

49.1938, 51.9688, 55.0151

# Monochromacy



## Original Color

46.4416, 52.1682, 41.3399

## Achromatopsia

48.3692, 50.8881, 55.4172

## Achromatomaly

47.5065, 51.2076, 50.0280

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 46.4416, 52.1682, 41.3399 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(187, 195, 161)` looks like.

```
.text, #text, p{  
    color:rgb(187, 195, 161)  
}
```

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(187, 195, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 195, 161) }
```

## Border

The CSS property to change the border of an element to XYZ 46.4416, 52.1682, 41.3399 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(187, 195, 161) }
```



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

```
.border{ border-color:rgb(187, 195, 161) }
```

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

Here you see how a box with a 4 pixel `rgb(187, 195, 161)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 195, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 195, 161);  
box-shadow:4px 4px 4px 4px rgb(187, 195,  
161) }
```

# Background

The CSS property to change the background color of an element to XYZ 46.4416, 52.1682, 41.3399 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 195, 161) }
```

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

```
.background{ background-color: rgb(187,  
195, 161) }
```

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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