

Converting Colors

XYZ(49.4445, 56.8597, 46.5855)

Have a look what the booklet for
XYZ(49.4445, 56.8597, 46.5855)
contains.

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Color

**XYZ(49.3421, 56.6528,
46.3647)**

Conversions

Conversions Part 1

Format	Color
Hex	BBCCAA
RGB	187, 204, 170
RGB Percent	73%, 80%, 67%
CMY	0.2667, 0.2000, 0.3333
CMYK	0.08, 0.00, 0.17, 0.20
HSL	90°, 25%, 73%
HSV	90°, 17%, 80%
XYZ	49.3421, 56.6528, 46.3647
YIQ	195.0410, 0.7820, -14.1780

Conversions

Conversions Part 2

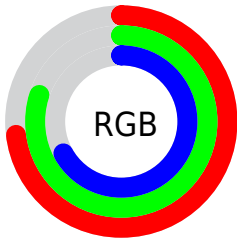
Format	Color
RYB	170, 204, 187
Decimal	12307626
CIELab	79.98, -11.87, 15.02
CIELCh	80, 19.150, 128.323
Yxy	56.6528, 0.3239, 0.3718
Android (android.graphics.Color)	4290497706 (0xFFBCCA)
YUV	195.0410, -12.3452, -7.0520
Hunter-Lab	75.2681, -14.7031, 16.1653

Details

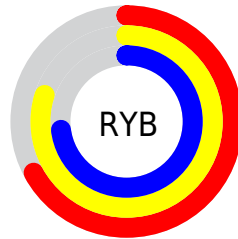
The XYZ color **49.3421, 56.6528, 46.3647** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **45.7696, 43.6754, 63.1476**, and the grayscale version is **51.9684, 54.6748, 59.5409**.

A 20% lighter version of the original color is **86.3128, 96.0109, 85.2170**, and **24.0079, 28.1890, 21.3152** is the 20% darker color. If you saturate the color by 10%, you get **45.1528, 54.7007, 36.8646**, and if you desaturate by 10%, it is **54.0113, 58.8210, 57.4529**.

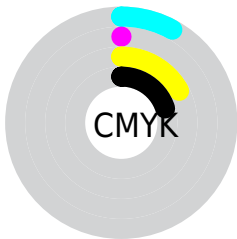
Distribution



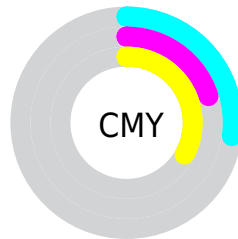
- Red (73%)
- Green (80%)
- Blue (67%)



- Red (67%)
- Yellow (80%)
- Blue (73%)



- Cyan (8%)
- Magenta (0%)
- Yellow (17%)
- Black (20%)



- Cyan (27%)
- Magenta (20%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 49.3421, 56.6528, 46.3647 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 49.3421, 56.6528, 46.3647 by changing the saturation by 10% instead.

■ 49.3421, 56.6528,
46.3647

■ 49.3421, 56.6528,
46.3647

374.5822,
412.1470, 388.5930

■ 35.1066, 40.7266,
32.1830

■ 88.3970, 99.9584,
86.1046

■ 23.9119, 28.1055,
21.2353

113.9471,
128.1065, 112.4998

■ 15.3927, 18.4052,
13.1032

143.9994,
161.0974, 143.8032

■ 9.1835, 11.2413,
7.3681

178.9194,
199.3155, 180.4335

■ 4.9192, 6.2294,
3.6114

219.0723,
243.1451, 222.8090

■ 2.2342, 2.9850,
1.4147

264.8235,

■ 0.7607, 1.1239,

292.9706, 271.3484

0.1531

316.5383,
349.1764, 326.4703

■ 0.0000, 0.0000,
0.0000

■ 49.3421, 56.6528,
46.3647

■ 49.3421, 56.6528,
46.3647

■ 45.1528, 54.7007,
36.8646

■ 54.0113, 58.8210,
57.4529

■ 41.4213, 52.9501,
28.8762

■ 59.1723, 61.2049,
70.1934

■ 38.1307, 51.3953,
22.3223

■ 64.8422, 63.8137,
84.6515

■ 35.2608, 50.0281,
17.1175

■ 71.0357, 66.6536,
100.8879

■ 32.7896, 48.8390,
13.1674

■ 74.9069, 68.5867,
103.8983

■ 30.6927, 47.8179,
10.3652

■ 78.4301, 70.4029,
104.0632

■ 28.9422, 46.9530,
8.5864

■ 80.8840, 71.6680,
104.1780

■ 27.5027, 46.2297,
7.6689

■ 27.0722, 46.0121,
7.4544

Harmonies

Analogous

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



52.7717, 56.6528, 42.8306



49.3421, 56.6528, 46.3647



47.1931, 56.6528, 54.1090

Triad

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



49.3421, 56.6528, 46.3647



51.1320, 56.6528, 83.8011



61.5890, 56.6528, 58.6371

Complementary

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



49.3421, 56.6528, 46.3647



45.7696, 43.6754, 63.1476

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.



61.0982, 56.6528, 69.9377



49.3421, 56.6528, 46.3647



54.9364, 56.6528, 85.3919

Square

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



49.3421, 56.6528, 46.3647



48.1913, 56.6528, 75.9394



58.6176, 56.6528, 80.0560



59.9283, 56.6528, 49.3367

Rectangle

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



49.3421, 56.6528, 46.3647



46.7134, 56.6528, 61.0608



58.6176, 56.6528, 80.0560



61.6717, 56.6528, 62.3139

Sweetspot

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



49.3436, 56.6553, 46.3659



90.7577, 98.0166, 98.3371



49.9300, 51.2824, 45.2980



19.3004, 20.9215, 20.7426



0.0000, 0.0000, 0.0000



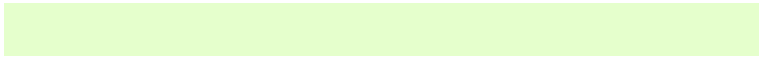
20.3446, 21.4041, 23.3091

Same Dimension

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



49.3436, 56.6553, 46.3659



79.1309, 92.6195, 70.8334



45.4278, 54.6366, 46.1827



11.5934, 12.8078, 11.9406



17.1461, 29.0145, 4.6967



0.9721, 1.5420, 0.2464

Inverse Universe

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



45.7696, 43.6754, 63.1476



72.1168, 67.1467, 103.7674



50.1778, 45.9480, 63.3539



11.1273, 11.1149, 14.1293



10.4172, 4.5778, 36.2908



0.6250, 0.2813, 1.8763

Previews

White Background



This preview shows how the XYZ color 49.3421, 56.6528, 46.3647 looks on a white background.

Color Contrast Check

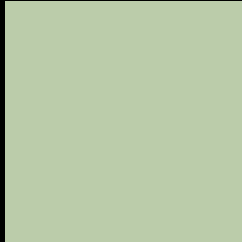
Large Text (above 18pt) WCAG AA × Fail

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 49.3421, 56.6528, 46.3647 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

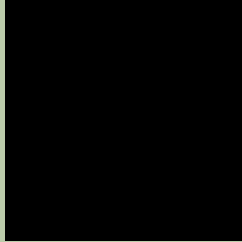
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 49.3421, 56.6528, 46.3647

Background



This preview shows how black text looks on a background with the XYZ color 49.3421, 56.6528, 46.3647.



This preview shows how white text looks on a background with the XYZ color 49.3421, 56.6528,

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

49.3421, 56.6528, 46.3647

Protanopia

53.4636, 56.7335, 44.6920

Deuteranopia

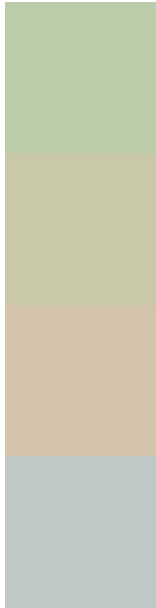
57.5377, 56.4475, 47.3981



Tritanopia

54.5798, 56.7125, 71.6883

Trichromacy



Original Color

49.3421, 56.6528, 46.3647

Protanomaly

51.8096, 56.5532, 45.2310

Deuteranomaly

54.3377, 56.4555, 47.0628

Tritanomaly

52.3332, 56.4621, 61.5661

Monochromacy



Original Color

49.3421, 56.6528, 46.3647

Achromatopsia

51.8711, 54.5724, 59.4294

Achromatomaly

50.7952, 55.1398, 54.4202

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.3421, 56.6528, 46.3647 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, 204, 170)` looks like.

```
.text, #text, p{  
    color:rgb(187, 204, 170)  
}
```

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, 204, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 204, 170) }
```

Border

The CSS property to change the border of an element to XYZ 49.3421, 56.6528, 46.3647 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, 204, 170) }
```


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

```
.border{ border-color:rgb(187, 204, 170) }
```

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

Here you see how a box with a 4 pixel rgb(187, 204, 170) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 204, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 204, 170);  
box-shadow:4px 4px 4px 4px rgb(187, 204,  
170) }
```

Background

The CSS property to change the background color of an element to XYZ 49.3421, 56.6528, 46.3647 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 204, 170) }
```

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

```
.background{ background-color: rgb(187,  
204, 170) }
```

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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