

Converting Colors

XYZ(45.4371, 52.6063, 43.8356)

Have a look what the booklet for
XYZ(45.4371, 52.6063, 43.8356)
contains.

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Color

**XYZ(45.4371, 52.6063,
43.8356)**

Conversions

Conversions Part 1

Format	Color
Hex	B2C6A6
RGB	178, 198, 166
RGB Percent	70%, 78%, 65%
CMY	0.3020, 0.2235, 0.3490
CMYK	0.10, 0.00, 0.16, 0.22
HSL	98°, 22%, 71%
HSV	98°, 16%, 78%
XYZ	45.4371, 52.6063, 43.8356
YIQ	188.3720, -1.6480, -14.1920

Conversions

Conversions Part 2

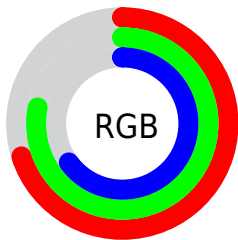
Format	Color
RYB	166, 198, 186
Decimal	11716262
CIELab	77.64, -12.67, 13.77
CIELCh	78, 18.716, 132.620
Yxy	52.6063, 0.3203, 0.3708
Android (android.graphics.Color)	4289906342 (0xFFB2C6A6)
YUV	188.3720, -11.0294, -9.0962
Hunter-Lab	72.5302, -15.1052, 14.9376

Details

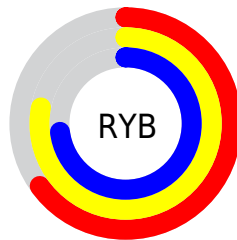
The XYZ color **45.4371, 52.6063, 43.8356** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **44.0810, 41.7902, 59.1718**, and the grayscale version is **48.0742, 50.5778, 55.0792**.

A 20% lighter version of the original color is **82.7428, 94.2329, 82.2344**, and **21.4680, 25.5214, 19.7142** is the 20% darker color. If you saturate the color by 10%, you get **41.0464, 50.5383, 34.8677**, and if you desaturate by 10%, it is **50.3666, 54.9228, 54.2907**.

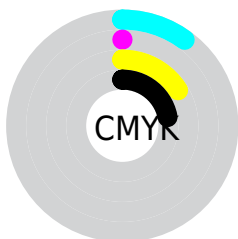
Distribution



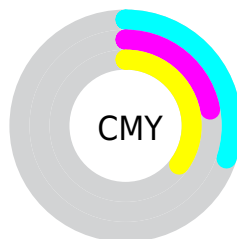
- Red (70%)
- Green (78%)
- Blue (65%)



- Red (65%)
- Yellow (78%)
- Blue (73%)



- Cyan (10%)
- Magenta (0%)
- Yellow (16%)
- Black (22%)




- Cyan (30%)
- Magenta (22%)
- Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 45.4371, 52.6063, 43.8356 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 45.4371, 52.6063, 43.8356 by changing the saturation by 10% instead.


 45.4371, 52.6063,
43.8356


 45.4371, 52.6063,
43.8356


359.2949,
396.7728, 378.0587

 32.0046, 37.4886,
30.2050


 82.6090, 94.0248,
82.2701

 21.5206, 25.5860,
19.7409

 107.0791,
121.0943, 107.9112

 13.6197, 16.5142,
12.0246


135.9590,
152.9166, 138.3928

 7.9366, 9.8887,
6.6377

169.6143,
189.8760, 174.1336

 4.1058, 5.3252,
3.1616

208.4101,
232.3570, 215.5520

 1.7622, 2.4393,
1.1777

252.7120,

 0.4947, 0.8460,

280.7438, 263.0667

0.0000

302.8851,
335.4210, 317.0960

■ 0.0000, 0.0000,
0.0000

■ 45.4371, 52.6063,
43.8356

■ 45.4371, 52.6063,
43.8356

■ 41.0464, 50.5383,
34.8677

■ 50.3666, 54.9228,
54.2907

■ 37.1707, 48.7035,
27.3161

■ 55.8490, 57.4891,
66.2926

■ 33.7907, 47.0949,
21.1092

■ 61.9033, 60.3153,
79.9020

■ 30.8840, 45.7028,
16.1677

■ 68.5462, 63.4086,
95.1754

■ 28.4265, 44.5167,
12.4044

■ 74.1405, 66.1150,
103.4616

■ 26.3913, 43.5248,
9.7206

■ 78.4839, 68.3541,
103.6649

■ 24.7482, 42.7141,
8.0015

■ 79.4851, 68.8703,
103.7117

■ 23.4604, 42.0687,
7.1018

■ 23.0377, 41.8557,
6.8647

Harmonies

Analogous

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



48.4963, 52.6063, 39.9563



45.4371, 52.6063, 43.8356



43.6520, 52.6063, 51.5327

Triad

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



45.4371, 52.6063, 43.8356



47.9517, 52.6063, 78.4712



57.1001, 52.6063, 53.0362

Complementary

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



45.4371, 52.6063, 43.8356



44.0810, 41.7902, 59.1718

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.



56.9369, 52.6063, 63.4380



45.4371, 52.6063, 43.8356



51.5359, 52.6063, 79.0005

Square

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



45.4371, 52.6063, 43.8356



45.0550, 52.6063, 71.8548



54.8601, 52.6063, 73.2239



55.2957, 52.6063, 44.8215

Rectangle

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



45.4371, 52.6063, 43.8356



43.3692, 52.6063, 58.1949



54.8601, 52.6063, 73.2239



57.2759, 52.6063, 56.3734

Sweetspot

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



45.4385, 52.6086, 43.8367



90.1931, 97.7256, 98.3106



47.6765, 49.7666, 43.1702



19.1633, 20.8509, 20.7362



0.0000, 0.0000, 0.0000



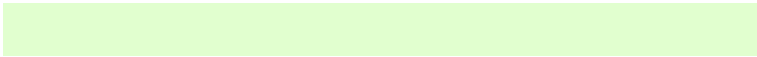
20.3446, 21.4041, 23.3091

Same Dimension

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



45.4385, 52.6086, 43.8367



77.9304, 91.9650, 72.3871



43.1520, 51.3897, 45.5439



10.8670, 12.0783, 11.3214



15.0690, 27.2636, 4.4682



0.7936, 1.3322, 0.2153

Inverse Universe

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



44.0810, 41.7902, 59.1718



75.1236, 69.6039, 104.0832



46.6945, 43.1866, 57.0734



10.6828, 10.6103, 13.4024



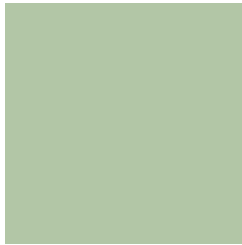
12.1093, 5.4768, 35.1633



0.6517, 0.2997, 1.6686

Previews

White Background



This preview shows how the XYZ color 45.4371, 52.6063, 43.8356 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 45.4371, 52.6063, 43.8356 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

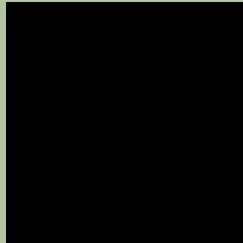
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 45.4371, 52.6063, 43.8356

Background



This preview shows how black text looks on a background with the XYZ color 45.4371, 52.6063, 43.8356.



This preview shows how white text looks on a background with the XYZ color 45.4371, 52.6063,

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

45.4371, 52.6063, 43.8356

Protanopia

49.5988, 52.4625, 42.1625

Deuteranopia

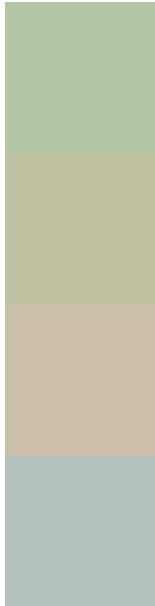
53.4238, 52.4679, 44.8477



Tritanopia

49.8793, 52.3946, 66.5157

Trichromacy



Original Color

45.4371, 52.6063, 43.8356

Protanomaly

47.9849, 52.6014, 42.7460

Deuteranomaly

50.1099, 52.3506, 44.5094

Tritanomaly

48.0976, 52.3344, 57.4357

Monochromacy



Original Color

45.4371, 52.6063, 43.8356

Achromatopsia

47.7994, 50.2886, 54.7643

Achromatomaly

46.8550, 51.1849, 50.5902

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.4371, 52.6063, 43.8356 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(178, 198, 166)` looks like.

```
.text, #text, p{  
    color:rgb(178, 198, 166)  
}
```

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(178, 198, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 198, 166) }
```

Border

The CSS property to change the border of an element to XYZ 45.4371, 52.6063, 43.8356 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(178, 198, 166) }
```


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

```
.border{ border-color:rgb(178, 198, 166) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 198, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(178, 198, 166); -webkit-box-shadow:4px 4px 4px 4px rgb(178, 198, 166); box-shadow:4px 4px 4px 4px rgb(178, 198, 166) }
```

Background

The CSS property to change the background color of an element to XYZ 45.4371, 52.6063, 43.8356 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 198, 166) }
```

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

```
.background{ background-color: rgb(178,  
198, 166) }
```

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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