

Converting Colors

XYZ(42.5230, 48.1166, 45.1138)

Have a look what the booklet for
XYZ(42.5230, 48.1166, 45.1138)
contains.

XYZ(42.4666, 48.0681, 45.0701)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(42.4666, 48.0681,
45.0701)**

Conversions

Conversions Part 1

Format	Color
Hex	ACBDAA
RGB	172, 189, 170
RGB Percent	67%, 74%, 67%
CMY	0.3255, 0.2588, 0.3333
CMYK	0.09, 0.00, 0.10, 0.26
HSL	114°, 13%, 70%
HSV	114°, 10%, 74%
XYZ	42.4666, 48.0681, 45.0701
YIQ	181.7510, -4.0330, -9.5130

Conversions

Conversions Part 2

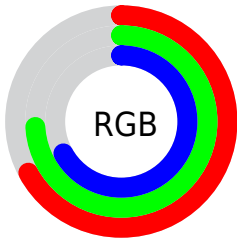
Format	Color
RYB	170, 189, 187
Decimal	11320746
CIELab	74.87, -9.43, 7.62
CIELCh	75, 12.120, 141.070
Yxy	48.0681, 0.3132, 0.3545
Android (android.graphics.Color)	4289510826 (0xFFACBDAA)
YUV	181.7510, -5.7932, -8.5516
Hunter-Lab	69.3312, -11.9950, 9.9892

Details

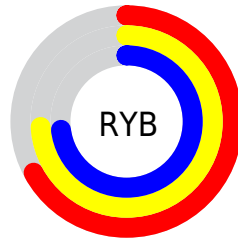
The XYZ color **42.4666, 48.0681, 45.0701** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **44.0554, 42.9897, 54.1224**, and the grayscale version is **44.3612, 46.6714, 50.8252**.

A 20% lighter version of the original color is **77.9216, 87.0720, 83.9338**, and **19.8199, 22.9094, 20.5169** is the 20% darker color. If you saturate the color by 10%, you get **37.3275, 45.6121, 36.1579**, and if you desaturate by 10%, it is **48.3378, 50.8745, 55.3604**.

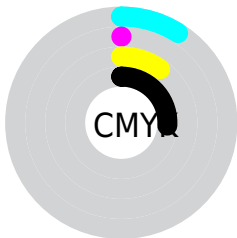
Distribution



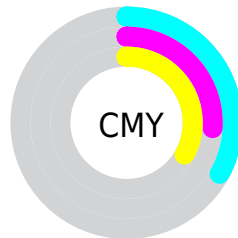
- Red (67%)
- Green (74%)
- Blue (67%)



- Red (67%)
- Yellow (74%)
- Blue (73%)



- Cyan (9%)
- Magenta (0%)
- Yellow (10%)
- Black (26%)



- Cyan (33%)
- Magenta (26%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.4666, 48.0681, 45.0701 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 42.4666, 48.0681, 45.0701 by changing the saturation by 10% instead.

■ 42.4666, 48.0681,
45.0701

■ 42.4666, 48.0681,
45.0701

347.3724,
379.0620, 383.2258

■ 29.6595, 33.8808,
31.1693

■ 78.1661, 87.3058,
84.1452

■ 19.7271, 22.8021,
20.4683

101.7892,
113.1250, 110.1565

■ 12.3039, 14.4474,
12.5484

129.7483,
143.5903, 141.0417

■ 7.0247, 8.4325,
6.9913

162.4089,
179.0861, 177.2195

■ 3.5240, 4.3729,
3.3783

200.1362,
219.9967, 219.1082

■ 1.4365, 1.8843,
1.2909

243.2957,

■ 0.2820, 0.5389,

266.7067, 267.1265

0.0543

292.2526,
319.6003, 321.6928

■ 0.0000, 0.0000,
0.0000

■ 42.4666, 48.0681,
45.0701

■ 42.4666, 48.0681,
45.0701

■ 37.3275, 45.6121,
36.1579

■ 48.3378, 50.8745,
55.3604

■ 32.8880, 43.4870,
28.5623

■ 54.9641, 54.0380,
67.0806

■ 29.1188, 41.6803,
22.2220

■ 62.3726, 57.5726,
80.2834

■ 25.9872, 40.1768,
17.0692

■ 70.5875, 61.4900,
95.0182

■ 23.4578, 38.9596,
13.0302

■ 77.4885, 64.8770,
103.0462

■ 21.4915, 38.0105,
10.0227

■ 20.0446, 37.3089,
7.9532

■ 19.0670, 36.8313,
6.7113

■ 18.4848, 36.5446,
6.0796

Harmonies

Analogous

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



44.1794, 48.0681, 41.8015



42.4666, 48.0681, 45.0701



41.6240, 48.0681, 50.4750

Triad

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



42.4666, 48.0681, 45.0701



45.0321, 48.0681, 65.2784



49.7605, 48.0681, 48.0913

Complementary

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



42.4666, 48.0681, 45.0701



44.0554, 42.9897, 54.1224

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.



50.0067, 48.0681, 54.2463



42.4666, 48.0681, 45.0701



47.2291, 48.0681, 64.5110

Square

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



42.4666, 48.0681, 45.0701



43.0736, 48.0681, 62.3675



49.0668, 48.0681, 60.3480



48.4046, 48.0681, 43.4458

Rectangle

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



42.4666, 48.0681, 45.0701



41.6499, 48.0681, 54.7052



49.0668, 48.0681, 60.3480



49.9775, 48.0681, 50.0401

Sweetspot

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



42.4679, 48.0702, 45.0712



83.2815, 89.5418, 93.3644



45.9684, 49.1721, 45.0994



17.7232, 19.1666, 19.7508



90.7827, 95.5105, 104.0109



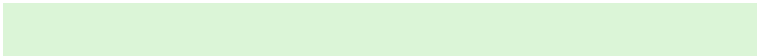
18.6292, 19.5994, 21.3438

Same Dimension

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



42.4679, 48.0702, 45.0712



73.9801, 85.0970, 77.1022



42.7407, 48.1290, 48.7817



9.4995, 10.6964, 10.1406



12.4687, 24.6037, 4.0918



0.5199, 0.9800, 0.1618

Inverse Universe

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



44.0554, 42.9897, 54.1224



77.3774, 74.2231, 96.4745



43.7769, 42.9352, 50.0844



9.8284, 9.6439, 12.0157



17.2433, 8.1753, 33.0621



0.7042, 0.3351, 1.2964

Previews

White Background



This preview shows how the XYZ color 42.4666, 48.0681, 45.0701 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 42.4666, 48.0681, 45.0701 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

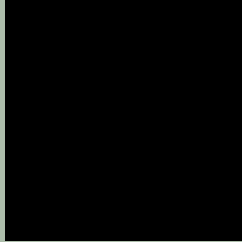
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

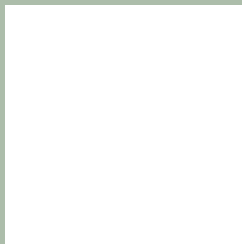
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 42.4666, 48.0681, 45.0701

Background



This preview shows how black text looks on a background with the XYZ color 42.4666, 48.0681, 45.0701.



This preview shows how white text looks on a background with the XYZ color 42.4666, 48.0681,

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

42.4666, 48.0681, 45.0701

Protanopia

45.3944, 47.7334, 43.3801

Deuteranopia

48.8204, 47.9412, 45.7102



Tritanopia

45.7892, 48.1686, 60.9169

Trichromacy



Original Color

42.4666, 48.0681, 45.0701

Protanomaly

44.1840, 47.7154, 43.9270

Deuteranomaly

46.3268, 47.8655, 45.3254

Tritanomaly

44.3152, 47.8626, 54.4797

Monochromacy



Original Color

42.4666, 48.0681, 45.0701

Achromatopsia

44.4628, 46.7784, 50.9417

Achromatomaly

43.7449, 47.3773, 48.9586

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.4666, 48.0681, 45.0701 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(172, 189, 170)` looks like.

```
.text, #text, p{  
    color:rgb(172, 189, 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(172, 189, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 189, 170) }
```

Border

The CSS property to change the border of an element to XYZ 42.4666, 48.0681, 45.0701 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(172, 189, 170) }
```


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

```
.border{ border-color:rgb(172, 189, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 189, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 189, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 189, 170);  
box-shadow:4px 4px 4px 4px rgb(172, 189,  
170) }
```

Background

The CSS property to change the background color of an element to XYZ 42.4666, 48.0681, 45.0701 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 189, 170) }
```

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

```
.background{ background-color: rgb(172,  
189, 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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