

Converting Colors

XYZ(41.3846, 44.5694, 48.7708)

Have a look what the booklet for
XYZ(41.3846, 44.5694, 48.7708)
contains.

XYZ(41.3704, 44.6275, 48.5530)	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(41.3704, 44.6275,
48.5530)**

Conversions

Conversions Part 1

Format	Color
Hex	ACB4B2
RGB	172, 180, 178
RGB Percent	67%, 71%, 70%
CMY	0.3255, 0.2941, 0.3020
CMYK	0.04, 0.00, 0.01, 0.29
HSL	165°, 5%, 69%
HSV	165°, 4%, 71%
XYZ	41.3704, 44.6275, 48.5530
YIQ	177.3800, -4.1260, -2.3180

Conversions

Conversions Part 2

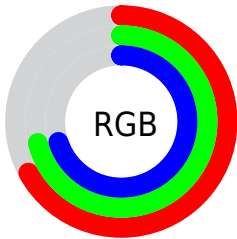
Format	Color
R_{YB}	172, 177, 180
Decimal	11318450
CIE _{Lab}	72.65, -3.17, 0.04
CIE _{LCh}	73, 3.169, 179.265
Yxy	44.6275, 0.3075, 0.3317
Android (android.graphics.Color)	4289508530 (0xFFACB4B2)
YUV	177.3800, 0.3057, -4.7183
Hunter-Lab	66.8038, -6.3648, 3.6707

Details

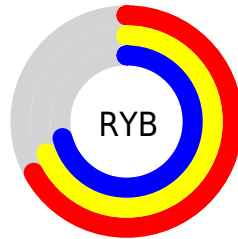
The XYZ color **41.3704, 44.6275, 48.5530** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **41.2165, 42.2655, 46.0323**, and the grayscale version is **41.9908, 44.1776, 48.1094**.

A 20% lighter version of the original color is **76.5253, 82.2623, 89.6868**, and **19.0368, 20.6525, 22.3850** is the 20% darker color. If you saturate the color by 10%, you get **37.2397, 42.5507, 46.0378**, and if you desaturate by 10%, it is **46.0537, 46.9899, 51.1734**.

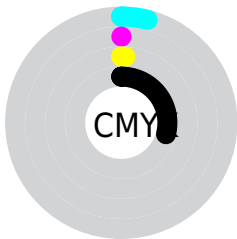
Distribution



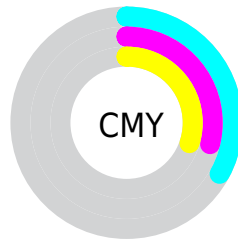
- Red (67%)
- Green (71%)
- Blue (70%)



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



- Cyan (4%)
- Magenta (0%)
- Yellow (1%)
- Black (29%)



- Cyan (33%)
- Magenta (29%)
- Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 41.3704, 44.6275, 48.5530 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 41.3704, 44.6275, 48.5530 by changing the saturation by 10% instead.

■ 41.3704, 44.6275,
48.5530

■ 41.3704, 44.6275,
48.5530

342.9025,
365.2628, 397.5517

■ 28.7976, 31.1641,
33.9019

■ 76.5170, 82.1612,
89.4013

■ 19.0712, 20.7239,
22.5415

99.8215, 107.0002,
116.4356

■ 11.8261, 12.9223,
14.0532

127.4339,
136.4000, 148.4347

■ 6.6967, 7.3751,
8.0185

159.7197,
170.7448, 185.8172

■ 3.3178, 3.6978,
4.0189

197.0440,
210.4191, 229.0016

■ 1.3240, 1.5060,
1.6357

239.7724,

■ 0.2010, 0.2929,

255.8073, 278.4065

0.3161

288.2701,
307.2937, 334.4503

■ 0.0000, 0.0000,
0.0000

■ 41.3704, 44.6275,
48.5530

■ 41.3704, 44.6275,
48.5530

■ 37.2397, 42.5507,
46.0378

■ 46.0537, 46.9899,
51.1734

■ 33.6362, 40.7427,
43.6232

■ 51.3060, 49.6427,
53.8979

■ 30.5382, 39.1937,
41.3084

■ 57.1478, 52.5977,
56.7289

■ 27.9211, 37.8909,
39.0913

■ 63.5976, 55.8643,
59.6680

■ 25.7582, 36.8206,
36.9701

■ 68.0490, 58.0990,
62.5940

■ 24.0200, 35.9676,
34.9426

■ 68.5853, 58.3135,
65.4179

■ 22.6734, 35.3149,
33.0063

■ 69.1372, 58.5342,
68.3243

■ 21.6806, 34.8429,
31.1589

■ 69.7049, 58.7613,
71.3138

■ 20.9955, 34.5280,
29.3971

■ 70.2885, 58.9948,
74.3872

Harmonies

Analogous

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



41.5163, 44.6275, 47.0632



41.3704, 44.6275, 48.5530



41.5029, 44.6275, 50.0846

Triad

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



41.3704, 44.6275, 48.5530



42.9352, 44.6275, 51.2768



42.9588, 44.6275, 46.0395

Complementary

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



41.3704, 44.6275, 48.5530



41.2165, 42.2655, 46.0323

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.



43.3446, 44.6275, 47.1289



41.3704, 44.6275, 48.5530



43.3308, 44.6275, 50.1531

Square

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



41.3704, 44.6275, 48.5530



42.4036, 44.6275, 51.6775



43.4813, 44.6275, 48.6305



42.4306, 44.6275, 45.6313

Rectangle

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



41.3704, 44.6275, 48.5530



41.7320, 44.6275, 50.9185



43.4813, 44.6275, 48.6305



43.1096, 44.6275, 46.3370

Sweetspot

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



41.3717, 44.6294, 48.5540



77.8083, 82.3275, 89.6415



41.2544, 44.6370, 45.4719



16.8269, 17.7988, 19.3802



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.



41.3717, 44.6294, 48.5540



74.5032, 80.6623, 87.7369



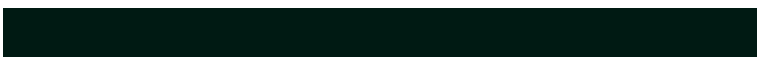
41.1998, 43.9615, 49.4962



8.9977, 9.7695, 10.6244



14.4690, 24.0136, 20.0045



0.4770, 0.7643, 0.7438

Inverse Universe

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



41.2165, 42.2655, 46.0323



74.1828, 75.7804, 82.5290



41.3806, 42.9038, 45.1307



8.9551, 9.1202, 9.9318



13.4914, 6.9141, 2.4819



0.4483, 0.2271, 0.2035

Previews

White Background



This preview shows how the XYZ color 41.3704, 44.6275, 48.5530 looks on a white background.

Color Contrast Check

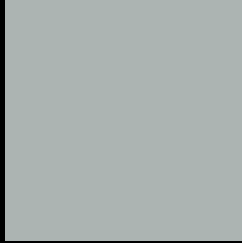
Large Text (above 18pt) WCAG AA × Fail

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 41.3704, 44.6275, 48.5530 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

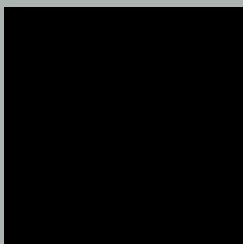
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

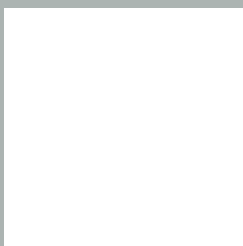
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 41.3704, 44.6275, 48.5530

Background



This preview shows how black text looks on a background with the XYZ color 41.3704, 44.6275, 48.5530.



This preview shows how white text looks on a background with the XYZ color 41.3704, 44.6275,

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

41.3704, 44.6275, 48.5530

Protanopia

42.6147, 44.4026, 47.3988

Deuteranopia

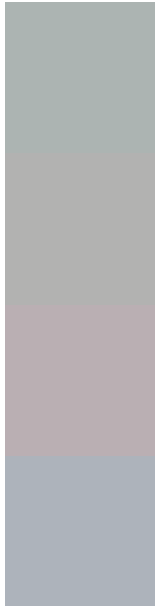
45.2389, 44.2697, 49.3406



Tritanopia

42.8904, 44.6452, 56.2260

Trichromacy



Original Color

41.3704, 44.6275, 48.5530

Protanomaly

42.2163, 44.4801, 47.9555

Deuteranomaly

43.7164, 44.3537, 48.9048

Tritanomaly

42.3233, 44.7123, 53.4134

Monochromacy



Original Color

41.3704, 44.6275, 48.5530

Achromatopsia

41.7894, 43.9657, 47.8787

Achromatomaly

41.5354, 44.1291, 47.9236

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.3704, 44.6275, 48.5530 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, 180, 178)` looks like.

```
.text, #text, p{  
    color:rgb(172, 180, 178)  
}
```

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, 180, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 180, 178) }
```

Border

The CSS property to change the border of an element to XYZ 41.3704, 44.6275, 48.5530 is called "border". The border property can be set on classes, ids or directly on the HTML element.

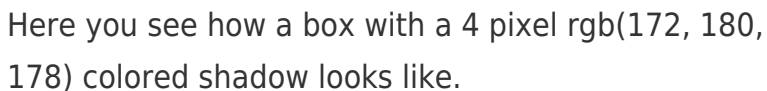
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(172, 180, 178) }
```


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

```
.border{ border-color:rgb(172, 180, 178) }
```

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



Here you see how a box with a 4 pixel `rgb(172, 180, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(172, 180, 178); -webkit-box-shadow:4px 4px 4px 4px rgb(172, 180, 178); box-shadow:4px 4px 4px 4px rgb(172, 180, 178) }
```

Background

The CSS property to change the background color of an element to XYZ 41.3704, 44.6275, 48.5530 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 180, 178) }
```

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

```
.background{ background-color: rgb(172,  
180, 178) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor