

Converting Colors

XYZ(41.5936, 46.6376, 48.4870)

Have a look what the booklet for
XYZ(41.5936, 46.6376, 48.4870)
contains.

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Color

**XYZ(41.6432, 46.6170,
48.3981)**

Conversions

Conversions Part 1

Format	Color
Hex	A8BAB1
RGB	168, 186, 177
RGB Percent	66%, 73%, 69%
CMY	0.3412, 0.2706, 0.3059
CMYK	0.10, 0.00, 0.05, 0.27
HSL	150°, 12%, 69%
HSV	150°, 10%, 73%
XYZ	41.6432, 46.6170, 48.3981
YIQ	179.5920, -7.8390, -6.6150

Conversions

Conversions Part 2

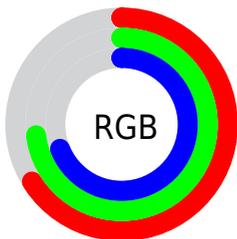
Format	Color
RYB	168, 180, 186
Decimal	11057841
CIELab	73.94, -7.93, 2.44
CIELCh	74, 8.301, 162.894
Yxy	46.6170, 0.3047, 0.3411
Android (android.graphics.Color)	4289247921 (0xFFA8BAB1)
YUV	179.5920, -1.2779, -10.1662
Hunter-Lab	68.2766, -10.6136, 5.7658

Details

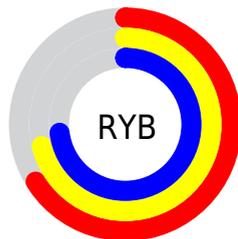
The XYZ color **41.6432, 46.6170, 48.3981** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **42.1899, 41.6199, 47.4071**, and the grayscale version is **43.1745, 45.4230, 49.4656**.

A 20% lighter version of the original color is **76.8915, 85.0754, 89.4594**, and **19.2281, 21.9433, 22.2908** is the 20% darker color. If you saturate the color by 10%, you get **37.0674, 44.3629, 43.5084**, and if you desaturate by 10%, it is **46.8512, 49.1923, 53.6493**.

Distribution



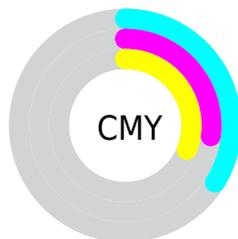
- Red (66%)
- Green (73%)
- Blue (69%)



- Red (66%)
- Yellow (71%)
- Blue (73%)



- Cyan (10%)
- Magenta (0%)
- Yellow (5%)
- Black (27%)



- Cyan (34%)
- Magenta (27%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 41.6432, 46.6170, 48.3981 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 41.6432, 46.6170, 48.3981 by changing the saturation by 10% instead.

 41.6432, 46.6170,
48.3981

 41.6432, 46.6170,
48.3981

344.0186,
373.2837, 396.9221

 29.0119, 32.7330,
33.7800

 76.9279, 85.1416,
89.1686

 19.2341, 21.9220,
22.4487

 100.3120,
110.5511, 116.1580

 11.9446, 13.7996,
13.9855

128.0111,
140.5711, 148.1083

 6.7779, 7.9814,
7.9719

160.3905,
175.5860, 185.4381

 3.3687, 4.0830,
3.9895

197.8156,
215.9804, 228.5658

 1.3516, 1.7201,
1.6196

240.6517,

 0.2213, 0.4366,

262.1385, 277.9100

0.3047

289.2643,
314.4448, 333.8893

■ 0.0000, 0.0000,
0.0000

■ 41.6432, 46.6170,
48.3981

■ 41.6432, 46.6170,
48.3981

■ 37.0674, 44.3629,
43.5084

■ 46.8512, 49.1923,
53.6493

■ 33.0949, 42.4113,
38.9695

■ 52.7114, 52.0951,
59.2663

■ 29.6999, 40.7505,
34.7742

■ 59.2474, 55.3387,
65.2574

■ 26.8534, 39.3656,
30.9144

■ 66.4806, 58.9340,
71.6295

■ 24.5238, 38.2404,
27.3814

■ 72.1880, 61.7349,
78.2846

■ 22.6760, 37.3571,
24.1660

■ 73.4810, 62.2521,
85.0932

■ 21.2702, 36.6952,
21.2586

■ 74.8439, 62.7973,
92.2705

■ 20.2597, 36.2310,
18.6490

■ 76.2780, 63.3709,
99.8223

■ 19.5557, 35.9188,
16.3246

■ 76.8498, 63.5996,
102.8333

Harmonies

Analogous

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



42.3990, 46.6170, 45.0177



41.6432, 46.6170, 48.3981



41.5913, 46.6170, 52.5987

Triad

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



41.6432, 46.6170, 48.3981



44.9462, 46.6170, 59.1251



46.4260, 46.6170, 45.4098

Complementary

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



41.6432, 46.6170, 48.3981



42.1899, 41.6199, 47.4071

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.



47.1406, 46.6170, 48.9607



41.6432, 46.6170, 48.3981



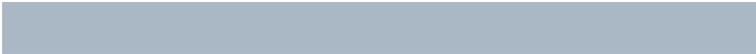
46.2736, 46.6170, 56.9666

Square

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



41.6432, 46.6170, 48.3981



43.4762, 46.6170, 58.9536



47.0842, 46.6170, 53.1934



45.1505, 46.6170, 43.3594

Rectangle

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



41.6432, 46.6170, 48.3981



41.9610, 46.6170, 55.3146



47.0842, 46.6170, 53.1934



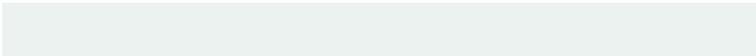
46.7410, 46.6170, 46.4588

Sweetspot

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



41.6445, 46.6190, 48.3991



81.6050, 87.5217, 93.9563



42.8284, 47.3295, 43.9247



17.8000, 19.1893, 20.5196



90.7827, 95.5105, 104.0109



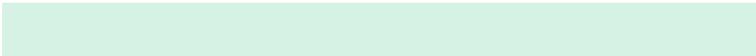
18.6292, 19.5994, 21.3438

Same Dimension

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



41.6445, 46.6190, 48.3991



73.2831, 83.4117, 85.4274



42.5401, 46.9772, 53.1151



9.0725, 10.1330, 10.5394



13.1797, 24.1728, 11.1342



0.4959, 0.8646, 0.5570

Inverse Universe

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



42.1899, 41.6199, 47.4071



74.5078, 72.1864, 83.1997



41.3497, 41.2839, 42.9825



9.1869, 9.0851, 10.3314



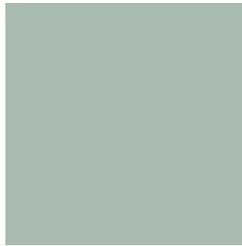
14.9909, 7.5701, 7.8391



0.5597, 0.2794, 0.4409

Previews

White Background



This preview shows how the XYZ color 41.6432, 46.6170, 48.3981 looks on a white background.

Color Contrast Check

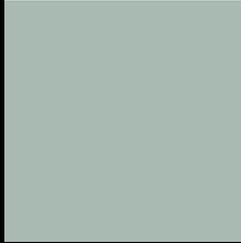
Large Text (above 18pt) WCAG AA × Fail

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 41.6432, 46.6170, 48.3981 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

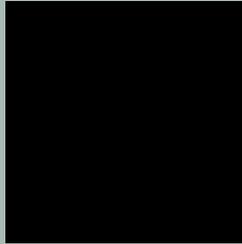
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

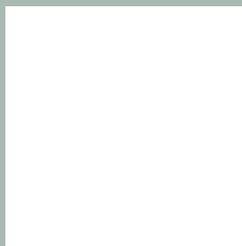
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 41.6432, 46.6170, 48.3981

Background



This preview shows how black text looks on a background with the XYZ color 41.6432, 46.6170, 48.3981.



This preview shows how white text looks on a background with the XYZ color 41.6432, 46.6170,

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

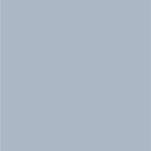
41.6432, 46.6170, 48.3981

Protanopia

44.4136, 46.5428, 46.6872

Deuteranopia

47.4814, 46.5847, 49.1370



Tritanopia

43.8061, 46.5561, 59.5007

Trichromacy



Original Color

41.6432, 46.6170, 48.3981

Protanomaly

43.2618, 46.5458, 47.2615

Deuteranomaly

45.0962, 46.5482, 48.7274

Tritanomaly

43.0123, 46.5447, 55.4322

Monochromacy



Original Color

41.6432, 46.6170, 48.3981

Achromatopsia

43.3819, 45.6411, 49.7032

Achromatomaly

42.7691, 45.9407, 49.2611

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.6432, 46.6170, 48.3981 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(168, 186, 177)` looks like.

```
.text, #text, p{  
    color:rgb(168, 186, 177)  
}
```

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(168, 186, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 186, 177) }
```

Border

The CSS property to change the border of an element to XYZ 41.6432, 46.6170, 48.3981 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(168, 186, 177) }
```

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

```
.border{ border-color:rgb(168, 186, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 186, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 186, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 186, 177);  
box-shadow:4px 4px 4px 4px rgb(168, 186,  
177) }
```

Background

The CSS property to change the background color of an element to XYZ 41.6432, 46.6170, 48.3981 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 186, 177) }
```

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

```
.background{ background-color: rgb(168,  
186, 177) }
```

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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