

Converting Colors

XYZ(41.7469, 45.9407, 51.6441)

Have a look what the booklet for
XYZ(41.7469, 45.9407, 51.6441)
contains.

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Color

**XYZ(41.8362, 46.0247,
51.4784)**

Conversions

Conversions Part 1

Format	Color
Hex	A8B8B7
RGB	168, 184, 183
RGB Percent	66%, 72%, 72%
CMY	0.3412, 0.2784, 0.2823
CMYK	0.09, 0.00, 0.01, 0.28
HSL	176°, 10%, 69%
HSV	176°, 9%, 72%
XYZ	41.8362, 46.0247, 51.4784
YIQ	179.1020, -9.2150, -3.7030

Conversions

Conversions Part 2

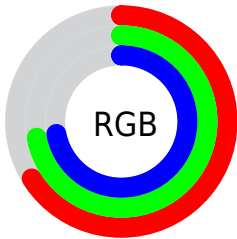
Format	Color
R_{YB}	168, 176, 184
Decimal	11057335
CIE Lab	73.56, -5.70, -1.39
CIE LCh	74, 5.866, 193.705
Yxy	46.0247, 0.3002, 0.3303
Android (android.graphics.Color)	4289247415 (0xFFA8B8B7)
YUV	179.1020, 1.9217, -9.7365
Hunter-Lab	67.8415, -8.6460, 2.4996

Details

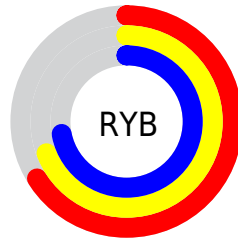
The XYZ color **41.8362, 46.0247, 51.4784** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **40.9329, 41.0615, 43.3065**, and the grayscale version is **42.8968, 45.1307, 49.1474**.

A 20% lighter version of the original color is **77.1715, 84.2401, 93.8540**, and **19.3480, 21.5573, 24.2603** is the 20% darker color. If you saturate the color by 10%, you get **38.0736, 44.1001, 50.6793**, and if you desaturate by 10%, it is **46.1568, 48.2394, 52.3107**.

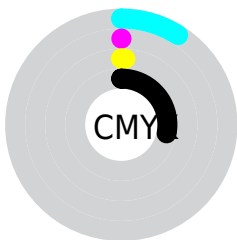
Distribution



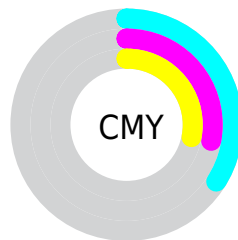
- Red (66%)
- Green (72%)
- Blue (72%)



- Red (66%)
- Yellow (69%)
- Blue (72%)



- Cyan (9%)
- Magenta (0%)
- Yellow (1%)
- Black (28%)



- Cyan (34%)
- Magenta (28%)
- Yellow (28%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 41.8362, 46.0247, 51.4784 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 41.8362, 46.0247, 51.4784 by changing the saturation by 10% instead.

■ 41.8362, 46.0247,
51.4784

■ 41.8362, 46.0247,
51.4784

344.8067,
370.9079, 409.3191

■ 29.1636, 32.2653,
36.2101

■ 77.2184, 84.2560,
93.7803

■ 19.3495, 21.5642,
24.3055

100.6587,
109.4966, 121.6509

■ 12.0286, 13.5371,
15.3461

128.4189,
139.3332, 154.5595

■ 6.8355, 7.7994,
8.9134

160.8644,
174.1500, 192.9244

■ 3.4049, 3.9669,
4.5887

198.3606,
214.3315, 237.1643

■ 1.3713, 1.6550,
1.9535

241.2728,

■ 0.2356, 0.3943,

260.2620, 287.6977

0.5265

289.9664,
312.3261, 344.9431

■ 0.0000, 0.0000,
0.0000

■ 41.8362, 46.0247,
51.4784

■ 41.8362, 46.0247,
51.4784

■ 38.0736, 44.1001,
50.6793

■ 46.1568, 48.2394,
52.3107

■ 34.8418, 42.4477,
49.9092

■ 51.0532, 50.7495,
53.1741

■ 32.1174, 41.0568,
49.1679

■ 56.5473, 53.5677,
54.0707

■ 29.8736, 39.9136,
48.4542

■ 62.6587, 56.7040,
55.0013

■ 28.0812, 39.0029,
47.7668

■ 67.5413, 59.2067,
55.8795

■ 26.7077, 38.3081,
47.1040

■ 67.6668, 59.2569,
56.5404

■ 25.7166, 37.8103,
46.4641

■ 67.7933, 59.3075,
57.2065

■ 25.0646, 37.4872,
45.8452

■ 67.9208, 59.3585,
57.8779

■ 24.6778, 37.3007,
45.2438

■ 68.0493, 59.4099,
58.5545

Harmonies

Analogous

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



41.8588, 46.0247, 48.5277



41.8362, 46.0247, 51.4784



42.3193, 46.0247, 54.1636

Triad

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



41.8362, 46.0247, 51.4784



45.1375, 46.0247, 54.3560



44.3070, 46.0247, 44.8289

Complementary

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



41.8362, 46.0247, 51.4784



40.9329, 41.0615, 43.3065

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.



45.2026, 46.0247, 46.2697



41.8362, 46.0247, 51.4784



45.6872, 46.0247, 51.7326

Square

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



41.8362, 46.0247, 51.4784



44.2193, 46.0247, 55.8688



45.7112, 46.0247, 48.7721



43.2743, 46.0247, 44.7669

Rectangle

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



41.8362, 46.0247, 51.4784



42.8677, 46.0247, 55.4095



45.7112, 46.0247, 48.7721



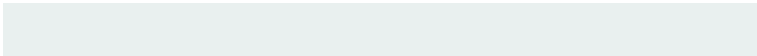
44.6344, 46.0247, 45.1654

Sweetspot

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



41.8375, 46.0266, 51.4794



80.1329, 85.6315, 94.1597



40.5863, 45.5525, 43.7000



17.1389, 18.3907, 20.2728



88.6918, 93.3107, 101.6153



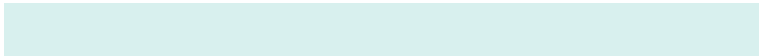
17.8044, 18.7317, 20.3988

Same Dimension

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



41.8375, 46.0266, 51.4794



74.7728, 82.8862, 93.0992



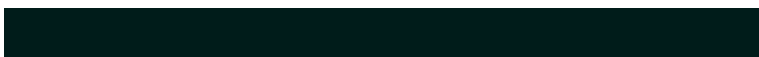
40.5369, 43.2577, 51.5627



9.2417, 10.2007, 11.4303



16.9861, 25.6954, 31.1782



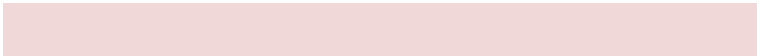
0.6062, 0.9088, 1.1380

Inverse Universe

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



40.9329, 41.0615, 43.3065



72.8748, 72.4681, 75.9508



42.1537, 43.6531, 43.2507



9.0268, 9.0211, 9.4887



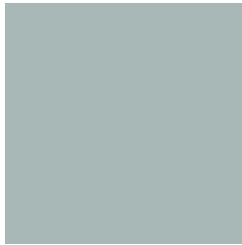
13.6768, 7.0445, 0.9188



0.4899, 0.2514, 0.0732

Previews

White Background



This preview shows how the XYZ color 41.8362, 46.0247, 51.4784 looks on a white background.

Color Contrast Check

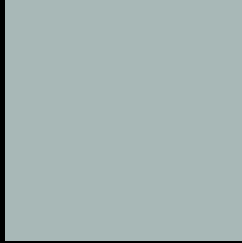
Large Text (above 18pt) WCAG AA × Fail

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 41.8362, 46.0247, 51.4784 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

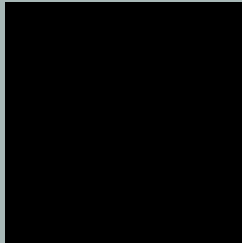
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

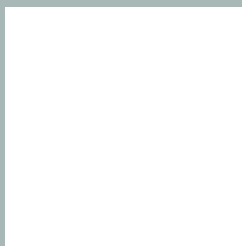
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 41.8362, 46.0247, 51.4784

Background



This preview shows how black text looks on a background with the XYZ color 41.8362, 46.0247, 51.4784.



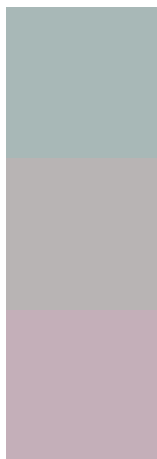
This preview shows how white text looks on a background with the XYZ color 41.8362, 46.0247,

51.4784.

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

41.8362, 46.0247, 51.4784

Protanopia

44.3266, 46.1282, 49.7474

Deuteranopia

46.8519, 45.8985, 52.2889



Tritanopia

43.2693, 45.9875, 58.8205

Trichromacy



Original Color

41.8362, 46.0247, 51.4784

Protanomaly

43.2245, 45.8489, 50.2876

Deuteranomaly

44.8218, 45.7406, 51.8139

Tritanomaly

42.6996, 46.0636, 55.9309

Monochromacy



Original Color

41.8362, 46.0247, 51.4784

Achromatopsia

42.8472, 45.0786, 49.0906

Achromatomaly

42.4413, 45.4570, 49.7172

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.8362, 46.0247, 51.4784 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, 184, 183)` looks like.

```
.text, #text, p{  
    color:rgb(168, 184, 183)  
}
```

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, 184, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 184, 183) }
```

Border

The CSS property to change the border of an element to XYZ 41.8362, 46.0247, 51.4784 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, 184, 183) }
```


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

```
.border{ border-color:rgb(168, 184, 183) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 184, 183)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 184, 183); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 184, 183);  
box-shadow:4px 4px 4px 4px rgb(168, 184,  
183) }
```

Background

The CSS property to change the background color of an element to XYZ 41.8362, 46.0247, 51.4784 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 184, 183) }
```

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

```
.background{ background-color: rgb(168,  
184, 183) }
```

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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