

Converting Colors

XYZ(42.2709, 48.0512, 45.6847)

Have a look what the booklet for
XYZ(42.2709, 48.0512, 45.6847)
contains.

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Color

**XYZ(42.1258, 47.8815,
45.5499)**

Conversions

Conversions Part 1

Format	Color
Hex	AABDAB
RGB	170, 189, 171
RGB Percent	67%, 74%, 67%
CMY	0.3333, 0.2588, 0.3294
CMYK	0.10, 0.00, 0.10, 0.26
HSL	123°, 13%, 70%
HSV	123°, 10%, 74%
XYZ	42.1258, 47.8815, 45.5499
YIQ	181.2670, -5.5460, -9.6260

Conversions

Conversions Part 2

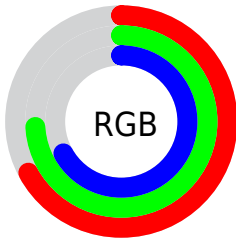
Format	Color
RYB	170, 188, 189
Decimal	11189675
CIELab	74.75, -9.95, 6.89
CIELCh	75, 12.098, 145.304
Yxy	47.8815, 0.3108, 0.3532
Android (android.graphics.Color)	4289379755 (0xFFAABDAB)
YUV	181.2670, -5.0616, -9.8812
Hunter-Lab	69.1965, -12.4256, 9.4087

Details

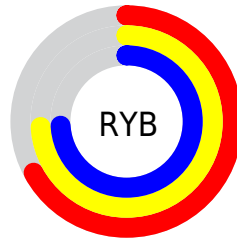
The XYZ color **42.1258, 47.8815, 45.5499** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **44.4397, 43.2002, 53.5753**, and the grayscale version is **44.0952, 46.3916, 50.5204**.

A 20% lighter version of the original color is **77.4312, 86.8034, 84.6252**, and **19.6051, 22.7918, 20.8187** is the 20% darker color. If you saturate the color by 10%, you get **36.7374, 45.2891, 36.9841**, and if you desaturate by 10%, it is **48.3355, 50.8733, 55.3630**.

Distribution



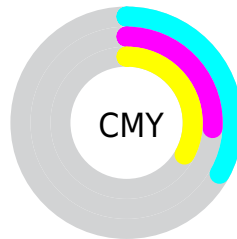
- Red (67%)
- Green (74%)
- Blue (67%)



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



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



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.1258, 47.8815, 45.5499 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 42.1258, 47.8815, 45.5499 by changing the saturation by 10% instead.

■ 42.1258, 47.8815,
45.5499

■ 42.1258, 47.8815,
45.5499

345.9869,
378.3222, 385.2210

■ 29.3913, 33.7331,
31.5447

■ 77.6540, 87.0279,
84.8722

■ 19.5228, 22.6886,
20.7520

101.1784,
112.7947, 111.0263

■ 12.1549, 14.3637,
12.7534

129.0301,
143.2031, 142.0671

■ 6.9222, 8.3741,
7.1302

161.5746,
178.6374, 178.4132

■ 3.4594, 4.3352,
3.4640

199.1772,
219.4821, 220.4831

■ 1.4011, 1.8628,
1.3362

242.2032,

■ 0.2570, 0.5259,

266.1215, 268.6954

0.0912

291.0180,
318.9401, 323.4685

■ 0.0000, 0.0000,
0.0000

■ 42.1258, 47.8815,
45.5499

■ 42.1258, 47.8815,
45.5499

■ 36.7374, 45.2891,
36.9841

■ 48.3355, 50.8733,
55.3630

■ 32.1322, 43.0734,
29.6127

■ 55.3948, 54.2740,
66.4674

■ 28.2749, 41.2188,
23.3836

■ 63.3353, 58.1004,
78.9084

■ 25.1260, 39.7061,
18.2398

■ 72.1860, 62.3664,
92.7287

■ 22.6424, 38.5143,
14.1190

■ 77.4885, 64.8771,
103.0462

■ 20.7763, 37.6205,
10.9531

■ 19.4733, 36.9980,
8.6653

■ 18.6699, 36.6162,
7.1672

■ 18.2531, 36.4189,
6.3533

Harmonies

Analogous

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



43.7289, 47.8815, 41.9487



42.1258, 47.8815, 45.5499



41.4300, 47.8815, 51.1511

Triad

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



42.1258, 47.8815, 45.5499



45.1652, 47.8815, 65.1396



49.4350, 47.8815, 47.1349

Complementary

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



42.1258, 47.8815, 45.5499



44.4397, 43.2002, 53.5753

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.



49.8493, 47.8815, 53.1310



42.1258, 47.8815, 45.5499



47.3387, 47.8815, 63.8493

Square

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



42.1258, 47.8815, 45.5499



43.1485, 47.8815, 62.7228



49.0706, 47.8815, 59.3256



47.9560, 47.8815, 42.8109

Rectangle

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



42.1258, 47.8815, 45.5499



41.5575, 47.8815, 55.3923



49.0706, 47.8815, 59.3256



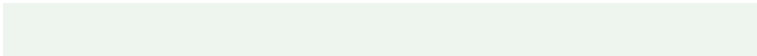
49.7053, 47.8815, 49.0076

Sweetspot

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



42.1271, 47.8835, 45.5510



83.0790, 89.4308, 93.6509



46.2067, 49.9976, 45.2458



17.6687, 19.1368, 19.8279



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.



42.1271, 47.8835, 45.5510



73.2615, 84.7034, 78.1138



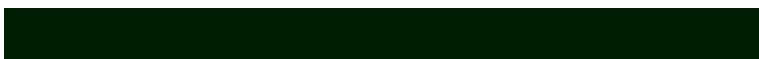
43.0607, 48.2570, 50.4672



9.4286, 10.6576, 10.2405



12.2895, 24.5061, 4.3215



0.4884, 0.9627, 0.2064

Inverse Universe

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



44.4397, 43.2002, 53.5753



78.2109, 74.6800, 95.2872



43.4537, 42.8058, 48.3830



9.9077, 9.6874, 11.9028



19.6072, 9.4740, 29.5546



0.7747, 0.3738, 1.1930

Previews

White Background



This preview shows how the XYZ color 42.1258, 47.8815, 45.5499 looks on a white background.

Color Contrast Check

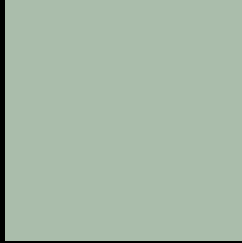
Large Text (above 18pt) WCAG AA × Fail

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 42.1258, 47.8815, 45.5499 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

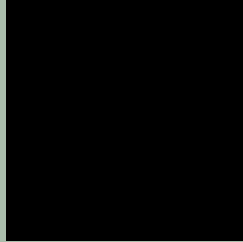
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 42.1258, 47.8815, 45.5499

Background



This preview shows how black text looks on a background with the XYZ color 42.1258, 47.8815, 45.5499.



This preview shows how white text looks on a background with the XYZ color 42.1258, 47.8815,

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

42.1258, 47.8815, 45.5499

Protanopia

45.4872, 47.7705, 43.8690

Deuteranopia

48.4418, 47.4405, 46.1389



Tritanopia

45.4535, 47.9820, 61.5094

Trichromacy



Original Color

42.1258, 47.8815, 45.5499

Protanomaly

44.0388, 47.6298, 44.4085

Deuteranomaly

45.7085, 47.2328, 45.7375

Tritanomaly

43.9778, 47.6762, 55.0287

Monochromacy



Original Color

42.1258, 47.8815, 45.5499

Achromatopsia

43.9204, 46.2077, 50.3202

Achromatomaly

43.2078, 46.8024, 48.3514

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.1258, 47.8815, 45.5499 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(170, 189, 171)` looks like.

```
.text, #text, p{  
    color:rgb(170, 189, 171)  
}
```

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(170, 189, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 189, 171) }
```

Border

The CSS property to change the border of an element to XYZ 42.1258, 47.8815, 45.5499 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(170, 189, 171) }
```


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

```
.border{ border-color:rgb(170, 189, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 189, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 189, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 189, 171);  
box-shadow:4px 4px 4px 4px rgb(170, 189,  
171) }
```

Background

The CSS property to change the background color of an element to XYZ 42.1258, 47.8815, 45.5499 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 189, 171) }
```

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

```
.background{ background-color: rgb(170,  
189, 171) }
```

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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