

Converting Colors

XYZ(42.1664, 47.0885, 47.8372)

Have a look what the booklet for
XYZ(42.1664, 47.0885, 47.8372)
contains.

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Color

**XYZ(42.1844, 47.2213,
47.9656)**

Conversions

Conversions Part 1

Format	Color
Hex	AABBB0
RGB	170, 187, 176
RGB Percent	67%, 73%, 69%
CMY	0.3333, 0.2666, 0.3098
CMYK	0.09, 0.00, 0.06, 0.27
HSL	141°, 11%, 70%
HSV	141°, 9%, 73%
XYZ	42.1844, 47.2213, 47.9656
YIQ	180.6630, -6.6010, -7.0250

Conversions

Conversions Part 2

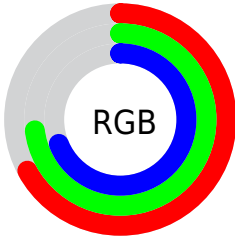
Format	Color
RYB	170, 183, 187
Decimal	11189168
CIELab	74.33, -7.96, 3.56
CIELCh	74, 8.725, 155.885
Yxy	47.2213, 0.3071, 0.3437
Android (android.graphics.Color)	4289379248 (0xFFAABBB0)
YUV	180.6630, -2.2989, -9.3515
Hunter-Lab	68.7178, -10.6786, 6.7175

Details

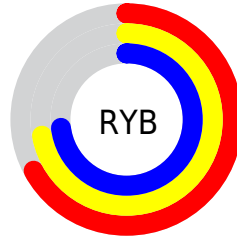
The XYZ color **42.1844, 47.2213, 47.9656** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **43.2105, 42.6517, 49.6735**, and the grayscale version is **43.7547, 46.0334, 50.1303**.

A 20% lighter version of the original color is **77.6674, 85.9349, 88.8375**, and **19.6344, 22.3570, 22.3493** is the 20% darker color. If you saturate the color by 10%, you get **37.2815, 44.8273, 41.7623**, and if you desaturate by 10%, it is **47.7718, 49.9585, 54.7602**.

Distribution



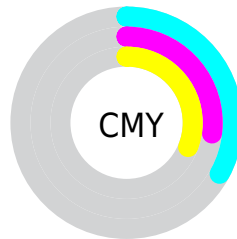
- Red (67%)
- Green (73%)
- Blue (69%)



- Red (67%)
- Yellow (72%)
- Blue (73%)



- Cyan (9%)
- Magenta (0%)
- Yellow (6%)
- Black (27%)



- Cyan (33%)
- Magenta (27%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.1844, 47.2213, 47.9656 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 42.1844, 47.2213, 47.9656 by changing the saturation by 10% instead.

■ 42.1844, 47.2213,
47.9656

■ 42.1844, 47.2213,
47.9656

346.2254,
375.6972, 395.1605

■ 29.4374, 33.2106,
33.4398

■ 77.7420, 86.0439,
88.5182

■ 19.5579, 22.2879,
22.1897

101.2834,
111.6245, 115.3821

■ 12.1805, 14.0686,
13.7967

129.1537,
141.8307, 147.1959

■ 6.9398, 8.1684,
7.8423

161.7182,
177.0467, 184.3779

■ 3.4705, 4.2029,
3.9079

199.3423,
217.6570, 227.3469

■ 1.4072, 1.7877,
1.5749

242.3912,

■ 0.2613, 0.4795,

264.0459, 276.5213

0.2728

291.2305,
316.5978, 332.3197

■ 0.0000, 0.0000,
0.0000

■ 42.1844, 47.2213,
47.9656

■ 42.1844, 47.2213,
47.9656

■ 37.2815, 44.8273,
41.7623

■ 47.7718, 49.9585,
54.7602

■ 33.0322, 42.7570,
36.1314

■ 54.0651, 53.0456,
62.1580

■ 29.4090, 40.9977,
31.0575

■ 61.0897, 56.4967,
70.1748

■ 26.3811, 39.5340,
26.5233

■ 68.8686, 60.3235,
78.8245

■ 23.9146, 38.3487,
22.5109

■ 74.2255, 62.8882,
87.9711

■ 21.9725, 37.4232,
19.0011

■ 76.0493, 63.6177,
97.5748

■ 20.5126, 36.7361,
15.9734

■ 77.0612, 64.0225,
102.9037

■ 19.4861, 36.2627,
13.4060

■ 18.8083, 35.9597,
11.2739

Harmonies

Analogous

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



43.1369, 47.2213, 44.7278



42.1844, 47.2213, 47.9656



41.9474, 47.2213, 52.3071

Triad

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



42.1844, 47.2213, 47.9656



45.1925, 47.2213, 60.4997



47.3717, 47.2213, 46.5153

Complementary

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



42.1844, 47.2213, 47.9656



43.2105, 42.6517, 49.6735

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.



47.9512, 47.2213, 50.5350



42.1844, 47.2213, 47.9656



46.6744, 47.2213, 58.7397

Square

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



42.1844, 47.2213, 47.9656



43.6609, 47.2213, 59.7133



47.6931, 47.2213, 55.0280



46.1265, 47.2213, 43.9252

Rectangle

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



42.1844, 47.2213, 47.9656



42.2222, 47.2213, 55.2815



47.6931, 47.2213, 55.0280



47.6521, 47.2213, 47.7350

Sweetspot

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



42.1857, 47.2233, 47.9666



81.4479, 87.4588, 93.1290



44.0956, 48.2750, 45.0248



17.7565, 19.1719, 20.2905



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.



42.1857, 47.2233, 47.9666



73.6196, 83.6282, 83.5001



43.0485, 47.5684, 52.5099



9.5441, 10.7038, 10.8487



12.9526, 24.7713, 7.8133



0.5388, 0.9829, 0.4718

Inverse Universe

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



43.2105, 42.6517, 49.6735



75.8440, 73.7042, 87.2048



42.3691, 42.3151, 45.2427



9.7831, 9.6375, 11.2468



16.5339, 8.2447, 13.3708



0.6776, 0.3349, 0.6815

Previews

White Background



This preview shows how the XYZ color 42.1844, 47.2213, 47.9656 looks on a white background.

Color Contrast Check

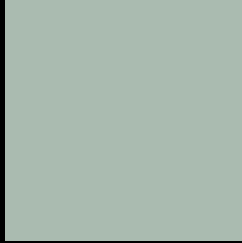
Large Text (above 18pt) WCAG AA × Fail

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 42.1844, 47.2213, 47.9656 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

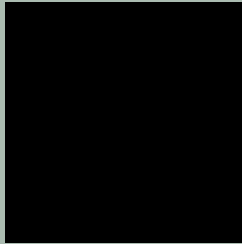
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 42.1844, 47.2213, 47.9656

Background



This preview shows how black text looks on a background with the XYZ color 42.1844, 47.2213, 47.9656.



This preview shows how white text looks on a background with the XYZ color 42.1844, 47.2213,

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

42.1844, 47.2213, 47.9656

Protanopia

45.0098, 47.1644, 46.2665

Deuteranopia

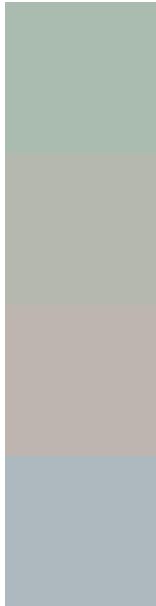
48.1151, 47.2152, 48.6970



Tritanopia

44.7891, 47.3569, 60.2062

Trichromacy



Original Color

42.1844, 47.2213, 47.9656

Protanomaly

43.8365, 47.1607, 46.8369

Deuteranomaly

45.6949, 47.1692, 48.2912

Tritanomaly

43.8768, 47.2999, 55.5324

Monochromacy



Original Color

42.1844, 47.2213, 47.9656

Achromatopsia

43.9204, 46.2077, 50.3202

Achromatomaly

43.2016, 46.4688, 49.3402

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.1844, 47.2213, 47.9656 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, 187, 176)` looks like.

```
.text, #text, p{  
    color:rgb(170, 187, 176)  
}
```

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, 187, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 187, 176) }
```

Border

The CSS property to change the border of an element to XYZ 42.1844, 47.2213, 47.9656 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, 187, 176) }
```


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

```
.border{ border-color:rgb(170, 187, 176) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 187, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 187, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 187, 176);  
box-shadow:4px 4px 4px 4px rgb(170, 187,  
176) }
```

Background

The CSS property to change the background color of an element to XYZ 42.1844, 47.2213, 47.9656 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 187, 176) }
```

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

```
.background{ background-color: rgb(170,  
187, 176) }
```

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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