

Converting Colors

XYZ(47.8707, 51.3899, 68.6132)

Have a look what the booklet for
XYZ(47.8707, 51.3899, 68.6132)
contains.

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Color

**XYZ(47.7161, 51.2367,
68.3475)**

Conversions

Conversions Part 1

Format	Color
Hex	ADC0D2
RGB	173, 192, 210
RGB Percent	68%, 75%, 82%
CMY	0.3216, 0.2470, 0.1765
CMYK	0.18, 0.09, 0.00, 0.18
HSL	209°, 29%, 75%
HSV	209°, 18%, 82%
XYZ	47.7161, 51.2367, 68.3475
YIQ	188.3710, -17.1020, 1.5700

Conversions

Conversions Part 2

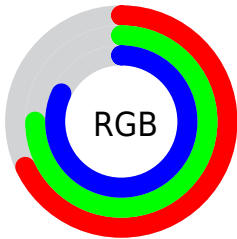
Format	Color
RYB	173, 186, 210
Decimal	11387090
CIELab	76.82, -2.71, -11.21
CIELCh	77, 11.530, 256.406
Yxy	51.2367, 0.2852, 0.3063
Android (android.graphics.Color)	4289577170 (0xFFADC0D2)
YUV	188.3710, 10.6631, -13.4804
Hunter-Lab	71.5798, -6.2741, -6.5068

Details

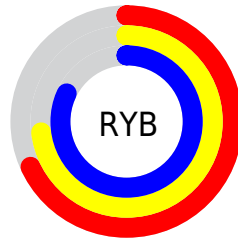
The XYZ color **47.7161, 51.2367, 68.3475** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **52.7523, 53.9803, 47.1752**, and the grayscale version is **47.9604, 50.4580, 54.9488**.

A 20% lighter version of the original color is **83.9305, 91.0128, 107.7514**, and **22.9791, 24.8586, 35.0396** is the 20% darker color. If you saturate the color by 10%, you get **41.2671, 44.6985, 67.4262**, and if you desaturate by 10%, it is **55.0537, 58.4668, 69.3571**.

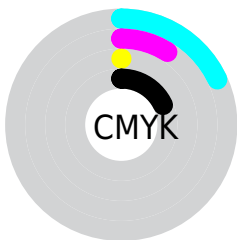
Distribution



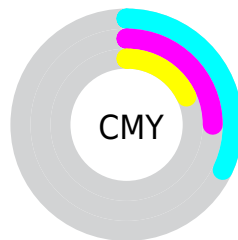
- Red (68%)
- Green (75%)
- Blue (82%)



- Red (68%)
- Yellow (73%)
- Blue (82%)



- Cyan (18%)
- Magenta (9%)
- Yellow (0%)
- Black (18%)



- Cyan (32%)
- Magenta (25%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 47.7161, 51.2367, 68.3475 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 47.7161, 51.2367, 68.3475 by changing the saturation by 10% instead.

■ 47.7161, 51.2367,
68.3475

■ 47.7161, 51.2367,
68.3475

368.2671,
391.4827, 473.3577

■ 33.8124, 36.3970,
49.7120

■ 85.9938, 92.0046,
118.5080

■ 22.9117, 24.7410,
34.8151

111.0986,
118.7015, 150.8702

■ 14.6487, 15.8842,
23.2380

140.6677,
150.1197, 188.6450

■ 8.6579, 9.4422,
14.5624

175.0666,
186.6435, 232.2510

■ 4.5740, 5.0307,
8.3697

214.6607,
228.6573, 282.1067

■ 2.0317, 2.2653,
4.2412

259.8152,

■ 0.6517, 0.7553,

276.5455, 338.6307

1.7586

310.8955,
330.6925, 402.2415

■ 0.0000, 0.0000,
0.4004

■ 0.0000, 0.0000,
0.0000

■ 47.7161, 51.2367,
68.3475

■ 47.7161, 51.2367,
68.3475

■ 41.2671, 44.6985,
67.4262

■ 55.0537, 58.4668,
69.3571

■ 35.6651, 38.8220,
66.5872

■ 63.3102, 66.4048,
70.4542

■ 30.8715, 33.5839,
65.8288

■ 72.5198, 75.0743,
71.6422

■ 26.8429, 28.9570,
65.1480

■ 81.9733, 84.1138,
72.8887

■ 23.5316, 24.9113,
64.5417

■ 84.9471, 90.0613,
73.8799

■ 20.8835, 21.4138,
64.0062

■ 88.0909, 96.3491,
74.9279

■ 18.8358, 18.4264,
63.5375

■ 88.6330, 97.4332,
75.1086

■ 17.3024, 15.8990,
63.1304

■ 16.9801, 15.3473,
63.0409

Harmonies

Analogous

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



45.8532, 51.2367, 64.9841



47.7161, 51.2367, 68.3475



49.8978, 51.2367, 68.1723

Triad

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



47.7161, 51.2367, 68.3475



52.8503, 51.2367, 52.4513



45.7130, 51.2367, 47.8801

Complementary

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



47.7161, 51.2367, 68.3475



52.7523, 53.9803, 47.1752

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.



47.5195, 51.2367, 45.0025



47.7161, 51.2367, 68.3475



51.6601, 51.2367, 47.5032

Square

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



47.7161, 51.2367, 68.3475



52.9068, 51.2367, 58.6703



49.6952, 51.2367, 44.8699



44.7203, 51.2367, 53.0018

Rectangle

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



47.7161, 51.2367, 68.3475



51.2406, 51.2367, 66.0658



49.6952, 51.2367, 44.8699



46.2427, 51.2367, 46.6357

Sweetspot

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



47.7176, 51.2388, 68.3487



88.5672, 93.7682, 108.0388



49.6723, 58.7348, 57.9429



18.7684, 19.8877, 23.0995



0.0000, 0.0000, 0.0000



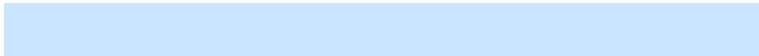
20.3446, 21.4041, 23.3091

Same Dimension

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



47.7176, 51.2388, 68.3487



70.2647, 75.7122, 105.5183



43.9296, 43.6627, 67.0860



11.6585, 12.4074, 15.0240



10.4586, 9.5637, 38.4873



0.6641, 0.6933, 2.1784

Inverse Universe

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



51.0376, 47.3957, 56.3299



76.3679, 68.8979, 83.3674



57.0167, 62.5089, 48.5966



12.0585, 11.9082, 13.5841



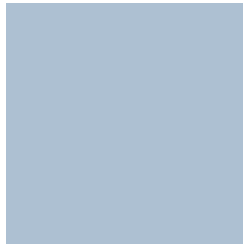
17.9097, 9.0367, 9.6968



1.0414, 0.5213, 0.7530

Previews

White Background



This preview shows how the XYZ color 47.7161, 51.2367, 68.3475 looks on a white background.

Color Contrast Check

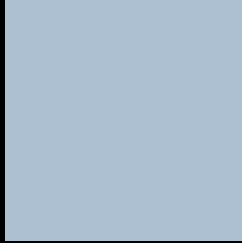
Large Text (above 18pt) WCAG AA × Fail

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 47.7161, 51.2367, 68.3475 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

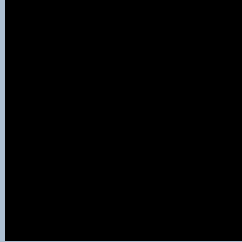
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

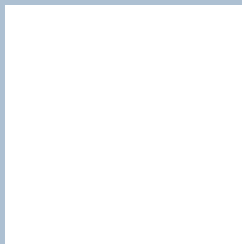
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 47.7161, 51.2367, 68.3475

Background



This preview shows how black text looks on a background with the XYZ color 47.7161, 51.2367, 68.3475.



This preview shows how white text looks on a background with the XYZ color 47.7161, 51.2367,

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

47.7161, 51.2367, 68.3475

Protanopia

49.8619, 51.0853, 66.9070

Deuteranopia

52.0501, 50.9048, 69.3696



Tritanopia

47.4684, 51.1376, 67.0432

Trichromacy



Original Color

47.7161, 51.2367, 68.3475

Protanomaly

48.9976, 50.9437, 67.5723

Deuteranomaly

50.2672, 50.9352, 68.8101

Tritanomaly

47.5918, 51.1870, 67.6933

Monochromacy



Original Color

47.7161, 51.2367, 68.3475

Achromatopsia

47.7994, 50.2886, 54.7643

Achromatomaly

47.6898, 50.4480, 59.4485

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.7161, 51.2367, 68.3475 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(173, 192, 210)` looks like.

```
.text, #text, p{  
    color:rgb(173, 192, 210)  
}
```

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(173, 192, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(173, 192, 210) }
```

Border

The CSS property to change the border of an element to XYZ 47.7161, 51.2367, 68.3475 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(173, 192, 210) }
```


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

```
.border{ border-color:rgb(173, 192, 210) }
```

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

Here you see how a box with a 4 pixel `rgb(173, 192, 210)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(173, 192, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(173, 192, 210);  
box-shadow:4px 4px 4px 4px rgb(173, 192,  
210) }
```

Background

The CSS property to change the background color of an element to XYZ 47.7161, 51.2367, 68.3475 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(173, 192, 210) }
```

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

```
.background{ background-color: rgb(173,  
192, 210) }
```

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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