

Converting Colors

XYZ(47.2441, 52.8555, 70.5941)

Have a look what the booklet for
XYZ(47.2441, 52.8555, 70.5941)
contains.

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Color

**XYZ(47.3086, 52.9788,
70.6833)**

Conversions

Conversions Part 1

Format	Color
Hex	A3C6D5
RGB	163, 198, 213
RGB Percent	64%, 78%, 84%
CMY	0.3608, 0.2235, 0.1647
CMYK	0.23, 0.07, 0.00, 0.16
HSL	198°, 37%, 74%
HSV	198°, 23%, 84%
XYZ	47.3086, 52.9788, 70.6833
YIQ	189.2450, -25.6750, -2.7550

Conversions

Conversions Part 2

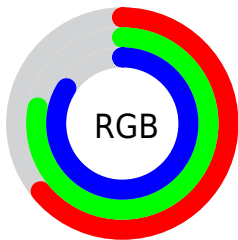
Format	Color
RYB	163, 184, 213
Decimal	10733269
CIELab	77.86, -8.33, -11.34
CIElCh	78, 14.071, 233.710
Yxy	52.9788, 0.2767, 0.3099
Android (android.graphics.Color)	4288923349 (0xFFA3C6D5)
YUV	189.2450, 11.7112, -23.0169
Hunter-Lab	72.7865, -11.3579, -6.6262

Details

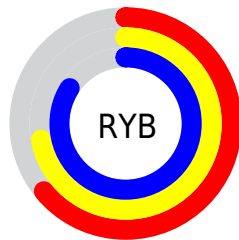
The XYZ color **47.3086, 52.9788, 70.6833** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **49.9724, 48.6315, 41.4045**, and the grayscale version is **48.4568, 50.9804, 55.5176**.

A 20% lighter version of the original color is **83.0234, 93.8001, 108.3372**, and **22.5752, 25.7301, 36.1243** is the 20% darker color. If you saturate the color by 10%, you get **41.8799, 48.0590, 70.0207**, and if you desaturate by 10%, it is **53.5366, 58.4048, 71.4032**.

Distribution



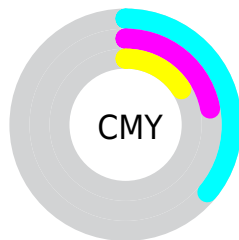
- Red (64%)
- Green (78%)
- Blue (84%)



- Red (64%)
- Yellow (72%)
- Blue (84%)



- Cyan (23%)
- Magenta (7%)
- Yellow (0%)
- Black (16%)



- Cyan (36%)
- Magenta (22%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 47.3086, 52.9788, 70.6833 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 47.3086, 52.9788, 70.6833 by changing the saturation by 10% instead.

■ 47.3086, 52.9788,
70.6833

■ 47.3086, 52.9788,
70.6833

366.6734,
398.2038, 481.7994

■ 33.4887, 37.7858,
51.6035

■ 85.3900, 94.5732,
121.8729

■ 22.6621, 25.8165,
36.3091

■ 110.3822,
121.7434, 154.8198

■ 14.4635, 16.6864,
24.3814

139.8292,
153.6748, 193.2263

■ 8.5276, 10.0112,
15.4020

174.0963,
190.7518, 237.5107

■ 4.4890, 5.4064,
8.9523

213.5489,
233.3588, 288.0917

■ 1.9823, 2.4876,
4.6137

258.5524,

■ 0.6240, 0.8704,

281.8802, 345.3878

1.9677

309.4721,
336.7004, 409.8175

■ 0.0000, 0.0000,
0.5353

■ 0.0000, 0.0000,
0.0000

■ 47.3086, 52.9788,
70.6833

■ 47.3086, 52.9788,
70.6833

■ 41.8799, 48.0590,
70.0207

■ 53.5366, 58.4048,
71.4032

■ 37.2083, 43.6185,
69.4098

■ 60.5941, 64.3495,
72.1787

■ 33.2546, 39.6374,
68.8497

■ 68.5154, 70.8333,
73.0127

■ 29.9740, 36.0913,
68.3382

■ 77.3315, 77.8730,
73.9069

■ 27.3164, 32.9532,
67.8725

■ 81.5331, 82.6296,
74.6035

■ 25.2240, 30.1922,
67.4499

■ 83.3434, 86.2501,
75.2069

■ 23.6272, 27.7711,
67.0667

■ 85.2195, 90.0024,
75.8323

■ 22.7754, 26.3341,
66.8343

■ 87.1621, 93.8876,
76.4799

■ 89.0104, 97.5842,
77.0959

Harmonies

Analogous

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



45.6958, 52.9788, 63.9495



47.3086, 52.9788, 70.6833



49.7813, 52.9788, 73.9714

Triad

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



47.3086, 52.9788, 70.6833



55.7598, 52.9788, 59.3493



48.2715, 52.9788, 44.9755

Complementary

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



47.3086, 52.9788, 70.6833



49.9724, 48.6315, 41.4045

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.



50.9326, 52.9788, 43.9837



47.3086, 52.9788, 70.6833



55.3202, 52.9788, 51.8434

Square

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



47.3086, 52.9788, 70.6833



54.7095, 52.9788, 67.0572



53.5290, 52.9788, 46.3866



46.2374, 52.9788, 49.2293

Rectangle

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



47.3086, 52.9788, 70.6833



51.6103, 52.9788, 73.5730



53.5290, 52.9788, 46.3866



49.1198, 52.9788, 44.2665

Sweetspot

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



47.3102, 52.9809, 70.6845



87.1008, 93.4016, 108.0454



46.8520, 58.5570, 50.5166



18.5029, 19.8741, 23.1108



0.0000, 0.0000, 0.0000



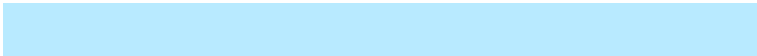
20.3446, 21.4041, 23.3091

Same Dimension

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



47.3102, 52.9809, 70.6845



67.0258, 75.9696, 105.7387



42.2195, 42.7996, 68.9876



12.4631, 13.4496, 15.8767



14.0052, 16.2721, 40.8558



0.9156, 1.1232, 2.4879

Inverse Universe

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



50.7321, 44.4190, 59.3283



73.0890, 61.2916, 85.5066



55.2121, 59.1108, 43.1511



12.7870, 12.5663, 14.8183



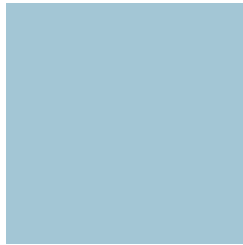
20.1280, 9.9875, 18.5101



1.2498, 0.6167, 1.3048

Previews

White Background



This preview shows how the XYZ color 47.3086, 52.9788, 70.6833 looks on a white background.

Color Contrast Check

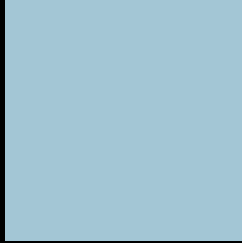
Large Text (above 18pt) WCAG AA × Fail

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 47.3086, 52.9788, 70.6833 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

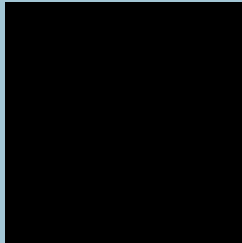
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 47.3086, 52.9788, 70.6833

Background



This preview shows how black text looks on a background with the XYZ color 47.3086, 52.9788, 70.6833.



This preview shows how white text looks on a background with the XYZ color 47.3086, 52.9788,

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

47.3086, 52.9788, 70.6833

Protanopia

51.5018, 52.8920, 67.1693

Deuteranopia

53.8555, 52.7263, 71.6287



Tritanopia

47.4359, 53.0297, 71.3540

Trichromacy



Original Color

47.3086, 52.9788, 70.6833

Protanomaly

49.9807, 53.0605, 68.5802

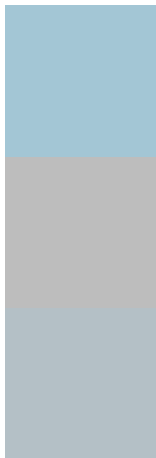
Deuteranomaly

51.2619, 52.6814, 71.0851

Tritanomaly

47.4359, 53.0297, 71.3540

Monochromacy



Original Color

47.3086, 52.9788, 70.6833

Achromatopsia

48.3692, 50.8881, 55.4172

Achromatomaly

47.8651, 51.4798, 60.8399

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.3086, 52.9788, 70.6833 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(163, 198, 213)` looks like.

```
.text, #text, p{  
    color:rgb(163, 198, 213)  
}
```

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(163, 198, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 198, 213) }
```

Border

The CSS property to change the border of an element to XYZ 47.3086, 52.9788, 70.6833 is called "border". The border property can be set on classes, ids or directly on the HTML element.

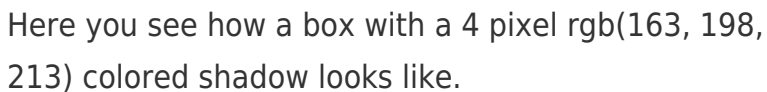
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(163, 198, 213) }
```


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

```
.border{ border-color:rgb(163, 198, 213) }
```

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



Here you see how a box with a 4 pixel `rgb(163, 198, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(163, 198, 213); -webkit-box-shadow:4px 4px 4px 4px rgb(163, 198, 213); box-shadow:4px 4px 4px 4px rgb(163, 198, 213) }
```

Background

The CSS property to change the background color of an element to XYZ 47.3086, 52.9788, 70.6833 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 198, 213) }
```

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

```
.background{ background-color: rgb(163,  
198, 213) }
```

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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