

Converting Colors

XYZ(47.4877, 53.6139, 70.4687)

Have a look what the booklet for
XYZ(47.4877, 53.6139, 70.4687)
contains.

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Color

**XYZ(47.5648, 53.7940,
70.8271)**

Conversions

Conversions Part 1

Format	Color
Hex	A2C8D5
RGB	162, 200, 213
RGB Percent	64%, 78%, 84%
CMY	0.3647, 0.2157, 0.1647
CMYK	0.24, 0.06, 0.00, 0.16
HSL	195°, 38%, 74%
HSV	195°, 24%, 84%
XYZ	47.5648, 53.7940, 70.8271
YIQ	190.1200, -26.8210, -4.0130

Conversions

Conversions Part 2

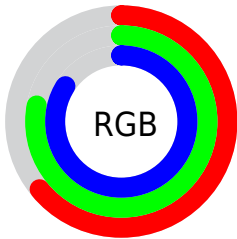
Format	Color
RYB	162, 184, 213
Decimal	10668245
CIELab	78.34, -9.68, -10.63
CIELCh	78, 14.379, 227.690
Yxy	53.7940, 0.2762, 0.3124
Android (android.graphics.Color)	4288858325 (0xFFA2C8D5)
YUV	190.1200, 11.2798, -24.6612
Hunter-Lab	73.3444, -12.5931, -5.9140

Details

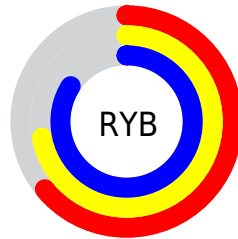
The XYZ color **47.5648, 53.7940, 70.8271** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **49.2927, 47.4150, 40.7376**, and the grayscale version is **48.9621, 51.5119, 56.0965**.

A 20% lighter version of the original color is **82.7234, 93.6454, 108.3231**, and **22.7571, 26.2776, 36.2204** is the 20% darker color. If you saturate the color by 10%, you get **42.3645, 49.2810, 70.2310**, and if you desaturate by 10%, it is **53.5458, 58.7784, 71.4748**.

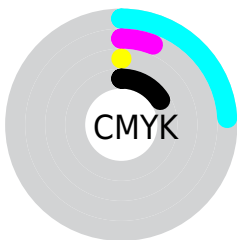
Distribution



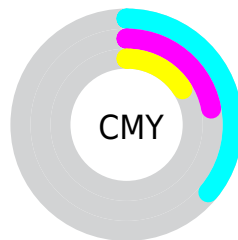
- Red (64%)
- Green (78%)
- Blue (84%)



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



- Cyan (24%)
- Magenta (6%)
- Yellow (0%)
- Black (16%)



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 47.5648, 53.7940, 70.8271 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 47.5648, 53.7940, 70.8271 by changing the saturation by 10% instead.

■ 47.5648, 53.7940,
70.8271

■ 47.5648, 53.7940,
70.8271

367.6759,
401.3240, 482.3162

■ 33.6922, 38.4370,
51.7201

■ 85.7697, 95.7717,
122.0797

■ 22.8190, 26.3220,
36.4014

■ 110.8327,
123.1612, 155.0623

■ 14.5799, 17.0647,
24.4522

140.3566,
155.3303, 193.5073

■ 8.6095, 10.2806,
15.4541

174.7066,
192.6634, 237.8332

■ 4.5424, 5.5854,
8.9885

214.2482,
235.5450, 288.4585

■ 2.0133, 2.5947,
4.6370

259.3467,

■ 0.6414, 0.9240,

284.3593, 345.8017

1.9809

310.3675,
339.4909, 410.2814

■ 0.0000, 0.0000,
0.5435

■ 0.0000, 0.0000,
0.0000

■ 47.5648, 53.7940,
70.8271

■ 47.5648, 53.7940,
70.8271

■ 42.3645, 49.2810,
70.2310

■ 53.5458, 58.7784,
71.4748

■ 37.9027, 45.2131,
69.6809

■ 60.3375, 64.2463,
72.1723

■ 34.1405, 41.5706,
69.1762

■ 67.9741, 70.2174,
72.9223

■ 31.0332, 38.3300,
68.7145

■ 76.4862, 76.7081,
73.7265

■ 28.5306, 35.4647,
68.2933

■ 80.7595, 81.0824,
74.3456

■ 26.5749, 32.9440,
67.9098

■ 82.2691, 84.1015,
74.8488

■ 25.0961, 30.7312,
67.5607

■ 83.8259, 87.2152,
75.3678

■ 24.3598, 29.5030,
67.3624

■ 85.4304, 90.4241,
75.9026

■ 87.0829, 93.7292,
76.4534

Harmonies

Analogous

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



46.1343, 53.7940, 63.4206



47.5648, 53.7940, 70.8271



49.9819, 53.7940, 75.0973

Triad

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



47.5648, 53.7940, 70.8271



56.6139, 53.7940, 61.9470



49.4991, 53.7940, 44.9850

Complementary

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



47.5648, 53.7940, 70.8271



49.2927, 47.4150, 40.7376

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.



52.2947, 53.7940, 44.6692



47.5648, 53.7940, 70.8271



56.4730, 53.7940, 53.9780

Square

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



47.5648, 53.7940, 70.8271



55.2464, 53.7940, 69.6632



54.8682, 53.7940, 47.8199



47.2225, 53.7940, 48.7262

Rectangle

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



47.5648, 53.7940, 70.8271



51.8588, 53.7940, 75.3542



54.8682, 53.7940, 47.8199



50.4072, 53.7940, 44.4880

Sweetspot

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



47.5664, 53.7962, 70.8283



87.3510, 93.9021, 108.1288



46.4089, 58.3562, 49.2479



18.5610, 19.9901, 23.1302



0.0000, 0.0000, 0.0000



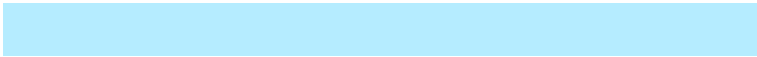
20.3446, 21.4041, 23.3091

Same Dimension

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



47.5664, 53.7962, 70.8283



67.1574, 77.1290, 105.9556



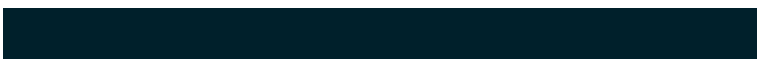
42.1930, 43.0494, 69.0372



12.5118, 13.5470, 15.8929



14.9656, 18.1929, 41.1760



0.9672, 1.2264, 2.5050

Inverse Universe

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



50.7875, 44.1582, 60.4926



72.9367, 60.3931, 87.2866



54.6754, 58.1803, 42.5318



12.8115, 12.5761, 14.9478



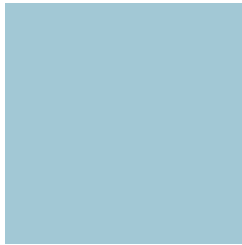
20.6128, 10.1814, 21.0628



1.2758, 0.6271, 1.4419

Previews

White Background



This preview shows how the XYZ color 47.5648, 53.7940, 70.8271 looks on a white background.

Color Contrast Check

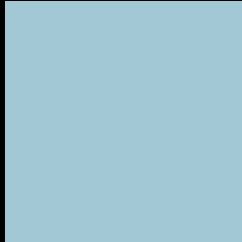
Large Text (above 18pt) WCAG AA × Fail

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 47.5648, 53.7940, 70.8271 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 47.5648, 53.7940, 70.8271

Background



This preview shows how black text looks on a background with the XYZ color 47.5648, 53.7940, 70.8271.

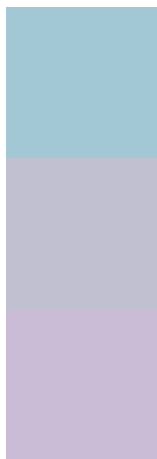


This preview shows how white text looks on a background with the XYZ color 47.5648, 53.7940,

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

47.5648, 53.7940, 70.8271

Protanopia

51.9730, 53.4598, 67.2540

Deuteranopia

54.6061, 53.4293, 71.7248



Tritanopia

48.1532, 54.0530, 72.8611

Trichromacy



Original Color

47.5648, 53.7940, 70.8271

Protanomaly

50.2040, 53.5071, 68.6546

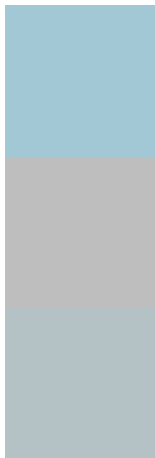
Deuteranomaly

51.4808, 53.1191, 71.1580

Tritanomaly

48.0243, 54.0014, 72.1821

Monochromacy



Original Color

47.5648, 53.7940, 70.8271

Achromatopsia

48.9429, 51.4918, 56.0745

Achromatomaly

48.3072, 52.3641, 60.9873

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.5648, 53.7940, 70.8271 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(162, 200, 213)` looks like.

```
.text, #text, p{  
    color:rgb(162, 200, 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(162, 200, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(162, 200, 213) }
```

Border

The CSS property to change the border of an element to XYZ 47.5648, 53.7940, 70.8271 is called "border". The border property can be set on classes, ids or directly on the HTML element.

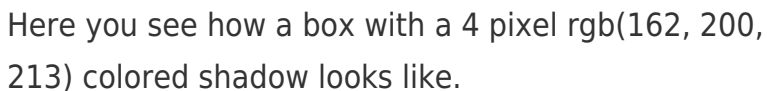
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(162, 200, 213) }
```


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

```
.border{ border-color:rgb(162, 200, 213) }
```

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



Here you see how a box with a 4 pixel `rgb(162, 200, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(162, 200, 213); -webkit-box-shadow:4px 4px 4px 4px rgb(162, 200, 213); box-shadow:4px 4px 4px 4px rgb(162, 200, 213) }
```

Background

The CSS property to change the background color of an element to XYZ 47.5648, 53.7940, 70.8271 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(162, 200, 213) }
```

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

```
.background{ background-color: rgb(162,  
200, 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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