

Converting Colors

XYZ(41.7006, 51.4545, 69.7908)

Have a look what the booklet for
XYZ(41.7006, 51.4545, 69.7908)
contains.

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Color

**XYZ(41.7566, 51.5066,
70.0283)**

Conversions

Conversions Part 1

Format	Color
Hex	7FCAD4
RGB	127, 202, 212
RGB Percent	50%, 79%, 83%
CMY	0.5019, 0.2078, 0.1686
CMYK	0.40, 0.05, 0.00, 0.17
HSL	187°, 50%, 66%
HSV	187°, 40%, 83%
XYZ	41.7566, 51.5066, 70.0283
YIQ	180.7150, -47.9100, -12.7900

Conversions

Conversions Part 2

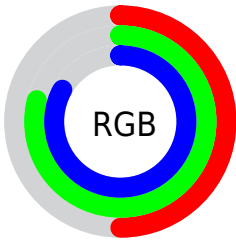
Format	Color
RYB	127, 167, 212
Decimal	8374996
CIELab	76.98, -20.70, -12.32
CIElCh	77, 24.085, 210.762
Yxy	51.5066, 0.2557, 0.3154
Android (android.graphics.Color)	4286565076 (0xFF7FCAD4)
YUV	180.7150, 15.4235, -47.1081
Hunter-Lab	71.7681, -21.7381, -7.6150

Details

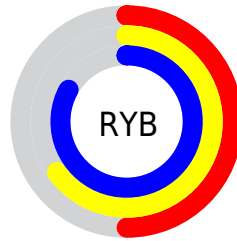
The XYZ color **41.7566, 51.5066, 70.0283** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **39.9286, 33.4213, 24.4264**, and the grayscale version is **43.7064, 45.9825, 50.0749**.

A 20% lighter version of the original color is **73.3384, 88.8073, 107.8839**, and **19.2742, 24.9537, 35.6990** is the 20% darker color. If you saturate the color by 10%, you get **38.3453, 48.8876, 69.7035**, and if you desaturate by 10%, it is **45.8447, 54.4910, 70.3898**.

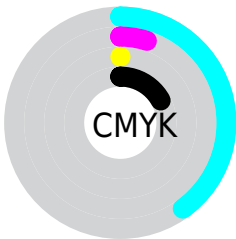
Distribution



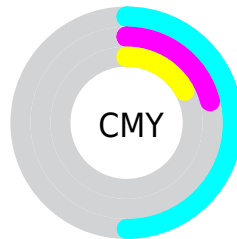
- Red (50%)
- Green (79%)
- Blue (83%)



- Red (50%)
- Yellow (65%)
- Blue (83%)



- Cyan (40%)
- Magenta (5%)
- Yellow (0%)
- Black (17%)



- Cyan (50%)
- Magenta (21%)
- Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 41.7566, 51.5066, 70.0283 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 41.7566, 51.5066, 70.0283 by changing the saturation by 10% instead.

■ 41.7566, 51.5066,
70.0283

■ 41.7566, 51.5066,
70.0283

344.4818,
392.5288, 479.4412

■ 29.1010, 36.6119,
51.0727

■ 77.0986, 92.4032,
120.9306

■ 19.3019, 24.9072,
35.8893

■ 100.5157,
119.1739, 153.7144

■ 11.9939, 16.0079,
24.0597

■ 128.2508,
150.6721, 191.9445

■ 6.8117, 9.5298,
15.1653

160.6690,
187.2821, 236.0397

■ 3.3899, 5.0883,
8.7876

198.1359,
229.3884, 286.4184

■ 1.3632, 2.2992,
4.5080

241.0168,

■ 0.2297, 0.7733,

277.3754, 343.4992

1.9079

289.6769,
331.6274, 407.7006

■ 0.0000, 0.0000,
0.4978

■ 0.0000, 0.0000,
0.0000

■ 41.7566, 51.5066,
70.0283

■ 41.7566, 51.5066,
70.0283

■ 38.3453, 48.8876,
69.7035

■ 45.8447, 54.4910,
70.3898

■ 35.5642, 46.6063,
69.4097


■ 50.6434, 57.8545,
70.7861


■ 33.3679, 44.6403,
69.1460


■ 56.1898, 61.6177,
71.2201


■ 31.7031, 42.9622,
68.9098


■ 62.5168, 65.7975,
71.6934


 30.5062, 41.5390,
68.6982


 69.6556, 70.4102,
72.2075

 29.6680, 40.3218,
68.5075

 77.6357, 75.4708,
72.7637

 78.5753, 76.9164,
72.9932

 79.2325, 78.2309,
73.2123

 79.8996, 79.5650,
73.4347

Harmonies

Analogous

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



40.6504, 51.5066, 56.4186



41.7566, 51.5066, 70.0283



44.7700, 51.5066, 81.1547

Triad

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



41.7566, 51.5066, 70.0283



57.0674, 51.5066, 69.3556



48.8383, 51.5066, 34.4150

Complementary

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



41.7566, 51.5066, 70.0283



39.9286, 33.4213, 24.4264

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.



53.3940, 51.5066, 36.7915



41.7566, 51.5066, 70.0283



58.3210, 51.5066, 55.7466

Square

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



41.7566, 51.5066, 70.0283



53.6096, 51.5066, 80.7256



56.9376, 51.5066, 44.1222



44.5788, 51.5066, 37.0458

Rectangle

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



41.7566, 51.5066, 70.0283



47.5523, 51.5066, 84.9116



56.9376, 51.5066, 44.1222



50.3860, 51.5066, 34.6507

Sweetspot

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



41.7582, 51.5086, 70.0295



83.5371, 92.3763, 108.0353



36.8064, 53.4038, 32.0049



17.6348, 19.6068, 23.1050



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.



41.7582, 51.5086, 70.0295



58.9977, 74.8498, 105.9457



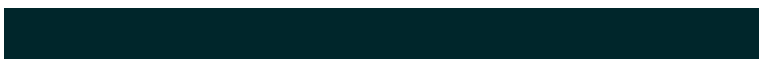
33.1359, 34.2642, 67.1554



12.6617, 13.8468, 15.9429



18.3635, 24.9887, 42.3086



1.1437, 1.5793, 2.5639

Inverse Universe

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



45.4027, 33.4414, 59.9412



65.3908, 44.2529, 88.0037



47.1869, 47.9380, 26.8459



12.8872, 12.6064, 15.3462



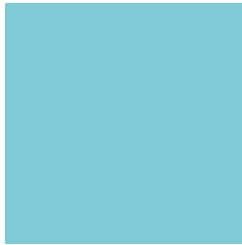
22.3279, 10.8675, 30.0944



1.3649, 0.6628, 1.9110

Previews

White Background



This preview shows how the XYZ color 41.7566, 51.5066, 70.0283 looks on a white background.

Color Contrast Check

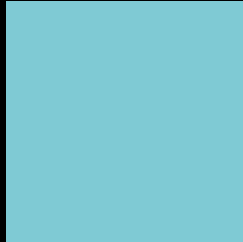
Large Text (above 18pt) WCAG AA × Fail

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 41.7566, 51.5066, 70.0283 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

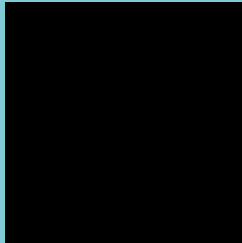
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 41.7566, 51.5066, 70.0283

Background



This preview shows how black text looks on a background with the XYZ color 41.7566, 51.5066, 70.0283.

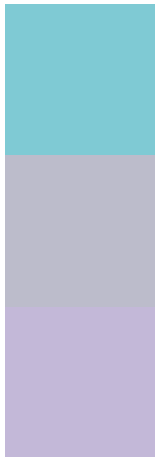


This preview shows how white text looks on a background with the XYZ color 41.7566, 51.5066,

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

41.7566, 51.5066, 70.0283

Protanopia

49.5017, 50.9696, 63.7290

Deuteranopia

52.0408, 50.8409, 72.0362



Tritanopia

42.3131, 51.3722, 73.3313

Trichromacy



Original Color

41.7566, 51.5066, 70.0283

Protanomaly

45.9364, 50.7032, 65.7581

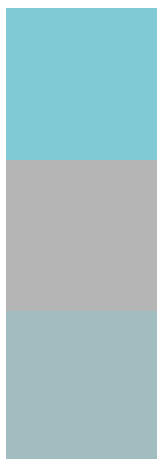
Deuteranomaly

47.4741, 50.7139, 71.5766

Tritanomaly

42.0545, 51.2688, 71.9693

Monochromacy



Original Color

41.7566, 51.5066, 70.0283

Achromatopsia

43.9204, 46.2077, 50.3202

Achromatomaly

42.4100, 47.7780, 56.8560

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.7566, 51.5066, 70.0283 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(127, 202, 212)` looks like.

```
.text, #text, p{  
    color:rgb(127, 202, 212)  
}
```

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(127, 202, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 202, 212) }
```

Border

The CSS property to change the border of an element to XYZ 41.7566, 51.5066, 70.0283 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(127, 202, 212) }
```


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

```
.border{ border-color:rgb(127, 202, 212) }
```

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

Here you see how a box with a 4 pixel rgb(127, 202, 212) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 202, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 202, 212);  
box-shadow:4px 4px 4px 4px rgb(127, 202,  
212) }
```

Background

The CSS property to change the background color of an element to XYZ 41.7566, 51.5066, 70.0283 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 202, 212) }
```

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

```
.background{ background-color: rgb(127,  
202, 212) }
```

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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