

Converting Colors

XYZ(40.6356, 56.3805, 51.2723)

Have a look what the booklet for
XYZ(40.6356, 56.3805, 51.2723)
contains.

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Color

**XYZ(40.7186, 56.5040,
51.4081)**

Conversions

Conversions Part 1

Format	Color
Hex	7AD8B3
RGB	122, 216, 179
RGB Percent	48%, 85%, 70%
CMY	0.5216, 0.1529, 0.2980
CMYK	0.44, 0.00, 0.17, 0.15
HSL	156°, 55%, 66%
HSV	156°, 44%, 85%
XYZ	40.7186, 56.5040, 51.4081
YIQ	183.6760, -44.1470, -31.4350

Conversions

Conversions Part 2

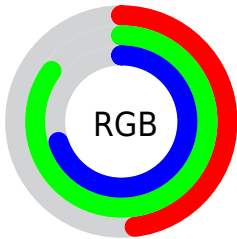
Format	Color
RYB	122, 181, 216
Decimal	8050867
CIELab	79.90, -36.44, 9.61
CIELCh	80, 37.682, 165.226
Yxy	56.5040, 0.2740, 0.3802
Android (android.graphics.Color)	4286240947 (0xFF7AD8B3)
YUV	183.6760, -2.3053, -54.0899
Hunter-Lab	75.1691, -34.8538, 12.0700

Details

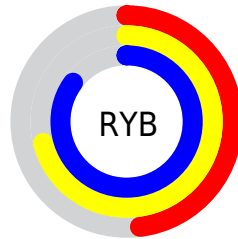
The XYZ color **40.7186, 56.5040, 51.4081** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **41.5384, 31.0226, 36.6017**, and the grayscale version is **45.4123, 47.7772, 52.0294**.

A 20% lighter version of the original color is **69.1155, 86.9831, 91.7439**, and **18.7575, 28.1543, 24.1844** is the 20% darker color. If you saturate the color by 10%, you get **37.1600, 54.7673, 46.8908**, and if you desaturate by 10%, it is **45.0130, 58.6169, 56.2391**.

Distribution



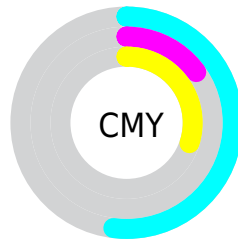
- Red (48%)
- Green (85%)
- Blue (70%)



- Red (48%)
- Yellow (71%)
- Blue (85%)



- Cyan (44%)
- Magenta (0%)
- Yellow (17%)
- Black (15%)





- Cyan (52%)
- Magenta (15%)
- Yellow (30%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 40.7186, 56.5040, 51.4081 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 40.7186, 56.5040, 51.4081 by changing the saturation by 10% instead.


 40.7186, 56.5040,
51.4081


 40.7186, 56.5040,
51.4081


340.2258,
411.5881, 409.0390


 28.2860, 40.6072,
36.1545


 75.5339, 99.7411,
93.6754

 18.6829, 28.0123,
24.2629


 98.6474, 127.8501,
121.5262

 11.5440, 18.3349,
15.3148

 126.0518,
160.7987, 154.4131

 6.5040, 11.1907,
8.8915

158.1125,
198.9712, 192.7548

 3.1974, 6.1952,
4.5746

195.1949,
242.7520, 236.9696

 1.2590, 2.9642,
1.9456

237.6644,

 0.1522, 1.1131,

292.5254, 287.4763

0.5215

285.8862,
348.6760, 344.6932

■ 0.0000, 0.0000,
0.0000

■ 40.7186, 56.5040,
51.4081

■ 40.7186, 56.5040,
51.4081

■ 37.1600, 54.7673,
46.8908

■ 45.0130, 58.6169,
56.2391

■ 34.2861, 53.3761,
42.6763

■ 50.0809, 61.1208,
61.3867

■ 32.0464, 52.3058,
38.7583


■ 55.9628, 64.0380,
66.8588


■ 30.3807, 51.5258,
35.1287


■ 62.6949, 67.3871,
72.6617


■ 29.2167, 50.9986,
31.7788


■ 70.3114, 71.1855,
78.8014

 28.6521, 50.7519,
29.7506

 78.8443, 75.4497,
85.2837

 81.3061, 76.5775,
91.7860

 82.5890, 77.0906,
98.5414

 83.8469, 77.5938,
105.1656

Harmonies

Analogous

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



43.9391, 56.5040, 36.3983



40.7186, 56.5040, 51.4081



40.7435, 56.5040, 73.2447

Triad

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



40.7186, 56.5040, 51.4081



57.6558, 56.5040, 111.6896



64.7282, 56.5040, 36.2331

Complementary

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



40.7186, 56.5040, 51.4081



41.5384, 31.0226, 36.6017

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.



69.1603, 56.5040, 51.1242



40.7186, 56.5040, 51.4081



64.8211, 56.5040, 96.1589

Square

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



40.7186, 56.5040, 51.4081



50.0464, 56.5040, 111.8175



69.1958, 56.5040, 72.8852



57.5385, 56.5040, 29.1549

Rectangle

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



40.7186, 56.5040, 51.4081



42.5788, 56.5040, 89.1148



69.1958, 56.5040, 72.8852



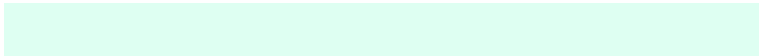
66.6189, 56.5040, 40.3104

Sweetspot

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



40.7202, 56.5063, 51.4094



81.8579, 93.4338, 97.6860



42.4879, 57.9517, 27.3596



17.0876, 19.7835, 20.5190



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.



40.7202, 56.5063, 51.4094



54.5989, 79.9893, 68.9394



42.6386, 53.5298, 73.0534



12.5755, 14.0212, 14.8451



17.0129, 30.0605, 17.8954



1.0663, 1.8292, 1.2910

Inverse Universe

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



41.5384, 31.0226, 36.6017



55.9470, 38.3568, 44.8046



40.0036, 32.3457, 22.5481



12.6237, 12.5010, 13.9585



17.7826, 9.0494, 6.1594



1.1127, 0.5619, 0.5828

Previews

White Background



This preview shows how the XYZ color 40.7186, 56.5040, 51.4081 looks on a white background.

Color Contrast Check

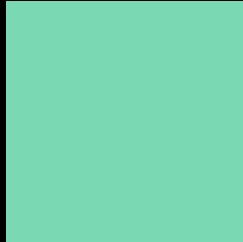
Large Text (above 18pt) WCAG AA × Fail

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 40.7186, 56.5040, 51.4081 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

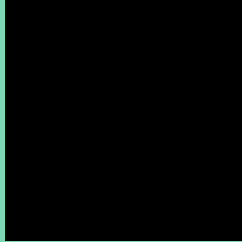
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 40.7186, 56.5040, 51.4081

Background



This preview shows how black text looks on a background with the XYZ color 40.7186, 56.5040, 51.4081.

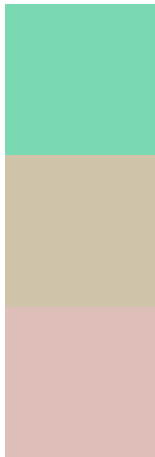


This preview shows how white text looks on a background with the XYZ color 40.7186, 56.5040,

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

40.7186, 56.5040, 51.4081

Protanopia

52.6335, 55.6098, 45.4958

Deuteranopia

56.8840, 55.6598, 53.0927



Tritanopia

46.3594, 56.1602, 80.3481

Trichromacy



Original Color

40.7186, 56.5040, 51.4081



Protanomaly

46.8033, 54.9591, 47.6765



Deuteranomaly

48.8745, 54.5385, 52.2070



Tritanomaly

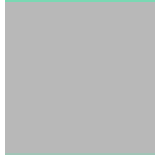
44.2580, 56.4362, 68.8822

Monochromacy



Original Color

40.7186, 56.5040, 51.4081



Achromatopsia

45.5594, 47.9320, 52.1980



Achromatomaly

42.8814, 50.4343, 51.7307

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.7186, 56.5040, 51.4081 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(122, 216, 179)` looks like.

```
.text, #text, p{  
    color:rgb(122, 216, 179)  
}
```

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(122, 216, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 216, 179) }
```

Border

The CSS property to change the border of an element to XYZ 40.7186, 56.5040, 51.4081 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(122, 216, 179) }
```


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

```
.border{ border-color:rgb(122, 216, 179) }
```

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

Here you see how a box with a 4 pixel `rgb(122, 216, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 216, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 216, 179);  
box-shadow:4px 4px 4px 4px rgb(122, 216,  
179) }
```

Background

The CSS property to change the background color of an element to XYZ 40.7186, 56.5040, 51.4081 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 216, 179) }
```

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

```
.background{ background-color: rgb(122,  
216, 179) }
```

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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