

Converting Colors

XYZ(41.1155, 56.0230, 51.5744)

Have a look what the booklet for
XYZ(41.1155, 56.0230, 51.5744)
contains.

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Color

**XYZ(41.1869, 55.9776,
51.8140)**

Conversions

Conversions Part 1

Format	Color
Hex	80D6B4
RGB	128, 214, 180
RGB Percent	50%, 84%, 71%
CMY	0.4980, 0.1608, 0.2941
CMYK	0.40, 0.00, 0.16, 0.16
HSL	156°, 51%, 67%
HSV	156°, 40%, 84%
XYZ	41.1869, 55.9776, 51.8140
YIQ	184.4100, -40.3420, -28.8060

Conversions

Conversions Part 2

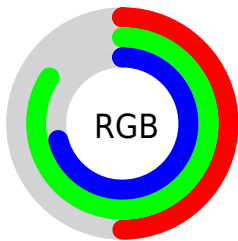
Format	Color
RYB	128, 182, 214
Decimal	8443572
CIELab	79.60, -33.71, 8.69
CIELCh	80, 34.810, 165.552
Yxy	55.9776, 0.2765, 0.3757
Android (android.graphics.Color)	4286633652 (0xFF80D6B4)
YUV	184.4100, -2.1741, -49.4716
Hunter-Lab	74.8182, -32.6688, 11.3125

Details

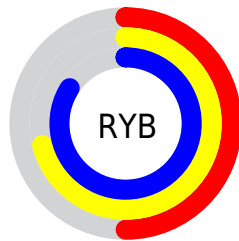
The XYZ color **41.1869, 55.9776, 51.8140** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **41.9742, 32.3446, 38.2155**, and the grayscale version is **45.8156, 48.2016, 52.4915**.

A 20% lighter version of the original color is **70.6675, 87.7665, 92.5729**, and **18.9766, 27.7450, 24.4338** is the 20% darker color. If you saturate the color by 10%, you get **37.4656, 54.1573, 47.2776**, and if you desaturate by 10%, it is **45.6427, 58.1735, 56.6619**.

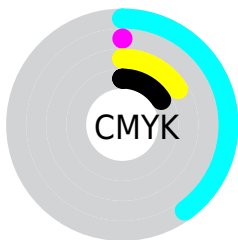
Distribution



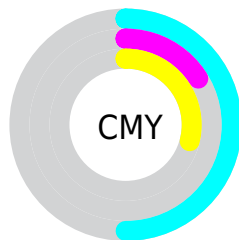
- Red (50%)
- Green (84%)
- Blue (71%)



- Red (50%)
- Yellow (71%)
- Blue (84%)



- Cyan (40%)
- Magenta (0%)
- Yellow (16%)
- Black (16%)





- Cyan (50%)
- Magenta (16%)
- Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 41.1869, 55.9776, 51.8140 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 41.1869, 55.9776, 51.8140 by changing the saturation by 10% instead.


 41.1869, 55.9776,
51.8140


 41.1869, 55.9776,
51.8140


342.1504,
409.6071, 410.6546


 28.6535, 40.1850,
36.4756


 76.2404, 98.9718,
94.2807

 18.9618, 27.6828,
24.5092


 99.4913, 126.9422,
122.2460

 11.7465, 18.0867,
15.4961


 127.0453,
159.7406, 155.2574

 6.6423, 11.0122,
9.0178

159.2678,
197.7515, 193.7335

 3.2837, 6.0751,
4.6558

196.5242,
241.3591, 238.0927

 1.3055, 2.8908,
1.9916

239.1799,

 0.1874, 1.0750,

290.9480, 288.7536

0.5501

287.6002,
346.9026, 346.1347

■ 0.0000, 0.0000,
0.0000

■ 41.1869, 55.9776,
51.8140

■ 41.1869, 55.9776,
51.8140

■ 37.4656, 54.1573,
47.2776

■ 45.6427, 58.1735,
56.6619

■ 34.4302, 52.6831,
43.0419

■ 50.8687, 60.7587,
61.8241

■ 32.0334, 51.5322,
39.1010


■ 56.9034, 63.7546,
67.3082


■ 30.2195, 50.6761,
35.4472


■ 63.7817, 67.1789,
73.1204


■ 28.9223, 50.0807,
32.0719


■ 71.5361, 71.0485,
79.2665

 28.0362, 49.6906,
29.0198

 79.6786, 75.1115,
85.7281

 80.9014, 75.6007,
92.1673

 82.1828, 76.1132,
98.9149

 83.3376, 76.5751,
104.9959

Harmonies

Analogous

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



44.1481, 55.9776, 37.7107



41.1869, 55.9776, 51.8140



41.2436, 55.9776, 71.9007

Triad

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



41.1869, 55.9776, 51.8140



56.9026, 55.9776, 106.2346



63.2166, 55.9776, 37.3301

Complementary

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



41.1869, 55.9776, 51.8140



41.9742, 32.3446, 38.2155

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.



67.2808, 55.9776, 51.1720



41.1869, 55.9776, 51.8140



63.4229, 55.9776, 92.1877

Square

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



41.1869, 55.9776, 51.8140



49.9112, 55.9776, 106.5136



67.3594, 55.9776, 71.1016



56.6406, 55.9776, 30.6817

Rectangle

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



41.1869, 55.9776, 51.8140



42.9716, 55.9776, 86.2728



67.3594, 55.9776, 71.1016



64.9464, 55.9776, 41.1415

Sweetspot

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



41.1884, 55.9799, 51.8153



82.7874, 93.8964, 98.4767



42.9263, 57.3774, 29.2355



17.4582, 19.9677, 20.8445



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.



41.1884, 55.9799, 51.8153



56.5843, 80.9598, 71.4243



42.9686, 53.3007, 71.6443



12.5746, 14.0208, 14.8402



16.9979, 30.0545, 17.8166



1.0655, 1.8288, 1.2865

Inverse Universe

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



41.9742, 32.3446, 38.2155



57.9127, 41.2616, 48.6243



40.5185, 33.6339, 24.7795



12.6246, 12.5013, 13.9633



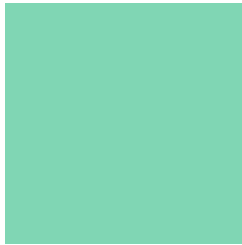
17.7916, 9.0530, 6.2066



1.1133, 0.5621, 0.5859

Previews

White Background



This preview shows how the XYZ color 41.1869, 55.9776, 51.8140 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 41.1869, 55.9776, 51.8140 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

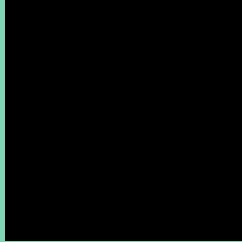
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 41.1869, 55.9776, 51.8140

Background



This preview shows how black text looks on a background with the XYZ color 41.1869, 55.9776, 51.8140.

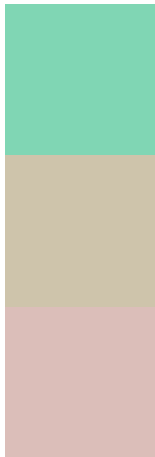


This preview shows how white text looks on a background with the XYZ color 41.1869, 55.9776,

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

41.1869, 55.9776, 51.8140

Protanopia

52.5442, 55.5419, 46.4794

Deuteranopia

56.3838, 55.3898, 53.6185



Tritanopia

46.6579, 55.9825, 78.8676

Trichromacy



Original Color

41.1869, 55.9776, 51.8140



Protanomaly

47.3560, 55.2328, 48.2095



Deuteranomaly

49.2204, 54.7048, 52.7646



Tritanomaly

44.4234, 55.7982, 68.1033

Monochromacy



Original Color

41.1869, 55.9776, 51.8140



Achromatopsia

45.5594, 47.9320, 52.1980



Achromatomaly

43.3722, 50.3416, 52.2307

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.1869, 55.9776, 51.8140 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(128, 214, 180)` looks like.

```
.text, #text, p{  
    color:rgb(128, 214, 180)  
}
```

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(128, 214, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 214, 180) }
```

Border

The CSS property to change the border of an element to XYZ 41.1869, 55.9776, 51.8140 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(128, 214, 180) }
```


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

```
.border{ border-color:rgb(128, 214, 180) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 214, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 214, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 214, 180);  
box-shadow:4px 4px 4px 4px rgb(128, 214,  
180) }
```

Background

The CSS property to change the background color of an element to XYZ 41.1869, 55.9776, 51.8140 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 214, 180) }
```

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

```
.background{ background-color: rgb(128,  
214, 180) }
```

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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