

Converting Colors

XYZ(41.1203, 57.9105, 70.1268)

Have a look what the booklet for
XYZ(41.1203, 57.9105, 70.1268)
contains.

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Color

**XYZ(41.0638, 57.8180,
69.9685)**

Conversions

Conversions Part 1

Format	Color
Hex	56DCD2
RGB	86, 220, 210
RGB Percent	34%, 86%, 82%
CMY	0.6627, 0.1372, 0.1765
CMYK	0.61, 0.00, 0.05, 0.14
HSL	176°, 66%, 60%
HSV	176°, 61%, 86%
XYZ	41.0638, 57.8180, 69.9685
YIQ	178.7940, -76.6540, -31.5180

Conversions

Conversions Part 2

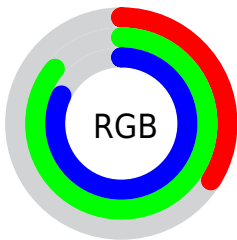
Format	Color
R_{YB}	86, 156, 220
Decimal	5692626
CIE _{Lab}	80.64, -38.55, -5.97
CIE _{LCh}	81, 39.014, 188.805
Yxy	57.8180, 0.2432, 0.3424
Android (android.graphics.Color)	4283882706 (0xFF56DCD2)
YUV	178.7940, 15.3846, -81.3803
Hunter-Lab	76.0381, -36.6692, -1.3305

Details

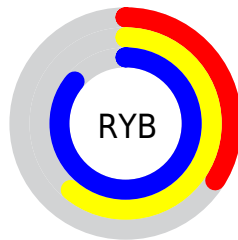
The XYZ color **41.0638, 57.8180, 69.9685** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light muted cyan. A complement of this color would be **34.9562, 22.7174, 13.6107**, and the grayscale version is **42.6897, 44.9129, 48.9101**.

A 20% lighter version of the original color is **66.2044, 85.1296, 107.5500**, and **19.2762, 28.9512, 36.0247** is the 20% darker color. If you saturate the color by 10%, you get **39.1383, 56.8502, 68.8170**, and if you desaturate by 10%, it is **43.6180, 59.1123, 71.1629**.

Distribution



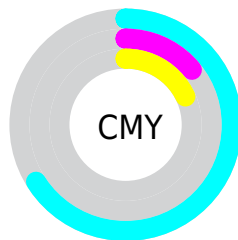
- Red (34%)
- Green (86%)
- Blue (82%)



- Red (34%)
- Yellow (61%)
- Blue (86%)



- Cyan (61%)
- Magenta (0%)
- Yellow (5%)
- Black (14%)





- Cyan (66%)
- Magenta (14%)
- Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 41.0638, 57.8180, 69.9685 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 41.0638, 57.8180, 69.9685 by changing the saturation by 10% instead.


 41.0638, 57.8180,
69.9685


 41.0638, 57.8180,
69.9685


341.6452,
416.5074, 479.2255


 28.5568, 41.6623,
51.0242


 76.0548, 101.6578,
120.8445

 18.8884, 28.8370,
35.8510


 99.2696, 130.1107,
153.6133

 11.6932, 18.9575,
24.0304


 126.7844,
163.4315, 191.8274

 6.6058, 11.6396,
15.1437

 158.9644,
202.0046, 235.9053

 3.2610, 6.4988,
8.7726

196.1752,
246.2143, 286.2655

 1.2932, 3.1507,
4.4984

238.7820,

 0.1781, 1.2109,

296.4451, 343.3266

1.9025

287.1503,
353.0813, 407.5071

■ 0.0000, 0.0706,
0.4943

■ 0.0000, 0.0000,
0.0000

■ 41.0638, 57.8180,
69.9685

■ 41.0638, 57.8180,
69.9685

■ 39.1383, 56.8502,
68.8170

■ 43.6180, 59.1123,
71.1629

■ 37.7771, 56.1718,
67.7016


■ 46.8477, 60.7533,
72.3987


■ 36.9112, 55.7485,
66.6203


■ 50.8009, 62.7670,
73.6793


■ 36.4431, 55.5279,
65.6614


■ 55.5199, 65.1752,
75.0068

 61.0438, 67.9982,
76.3831

 67.4090, 71.2546,
77.8099

 74.6496, 74.9620,
79.2888

 80.1722, 77.7835,
80.6985

 80.3949, 77.8726,
81.8714

Harmonies

Analogous

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



41.7782, 57.8180, 48.2808



41.0638, 57.8180, 69.9685



43.7781, 57.8180, 94.9322

Triad

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



41.0638, 57.8180, 69.9685



65.2099, 57.8180, 104.0868



60.7282, 57.8180, 30.0692

Complementary

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



41.0638, 57.8180, 69.9685



34.9562, 22.7174, 13.6107

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.



67.8871, 57.8180, 39.1087



41.0638, 57.8180, 69.9685



70.6447, 57.8180, 80.3343

Square

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



41.0638, 57.8180, 69.9685



57.3519, 57.8180, 117.5475



71.6695, 57.8180, 56.4247



52.6245, 57.8180, 28.5848

Rectangle

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



41.0638, 57.8180, 69.9685



47.3381, 57.8180, 108.8649



71.6695, 57.8180, 56.4247



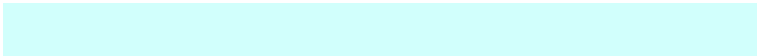
63.3464, 57.8180, 32.1967

Sweetspot

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



41.0655, 57.8202, 69.9699



79.5860, 92.0912, 105.3226



32.2223, 54.4111, 17.6095



16.5767, 19.4774, 22.4242



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.



41.0655, 57.8202, 69.9699



54.0965, 79.1369, 95.7253



30.0632, 33.7585, 72.6442



13.4007, 14.8119, 16.5732



21.4056, 32.5949, 38.6309



1.3995, 2.1168, 2.5700

Inverse Universe

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



34.9562, 22.7174, 13.6107



44.9104, 26.1184, 10.8064



40.8452, 35.1861, 13.4442



13.0953, 13.0672, 13.7630



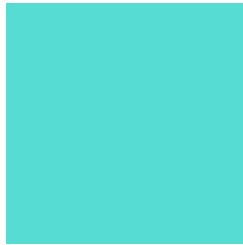
17.3945, 8.9588, 1.1913



1.1410, 0.5860, 0.1514

Previews

White Background



This preview shows how the XYZ color 41.0638, 57.8180, 69.9685 looks on a white background.

Color Contrast Check

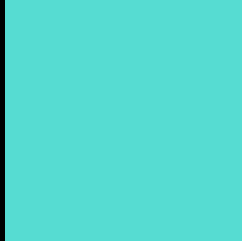
Large Text (above 18pt) WCAG AA × Fail

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 41.0638, 57.8180, 69.9685 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

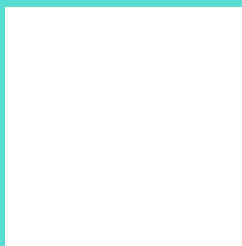
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 41.0638, 57.8180, 69.9685

Background



This preview shows how black text looks on a background with the XYZ color 41.0638, 57.8180, 69.9685.

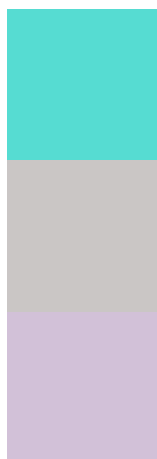


This preview shows how white text looks on a background with the XYZ color 41.0638, 57.8180,

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

41.0638, 57.8180, 69.9685

Protanopia

54.6292, 56.9759, 60.9415

Deuteranopia

58.0430, 56.7994, 72.8699



Tritanopia

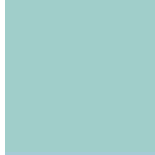
44.2310, 57.5390, 86.6168

Trichromacy



Original Color

41.0638, 57.8180, 69.9685



Protanomaly

47.2292, 55.8805, 64.1739



Deuteranomaly

49.0106, 55.5662, 71.7606



Tritanomaly

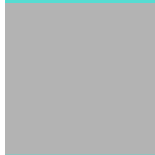
42.8171, 57.3373, 80.0447

Monochromacy



Original Color

41.0638, 57.8180, 69.9685



Achromatopsia

42.8472, 45.0786, 49.0906



Achromatomaly

40.2631, 48.3210, 55.9200

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.0638, 57.8180, 69.9685 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(86, 220, 210)` looks like.

```
.text, #text, p{  
    color:rgb(86, 220, 210)  
}
```

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(86, 220, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(86, 220, 210) }
```

Border

The CSS property to change the border of an element to XYZ 41.0638, 57.8180, 69.9685 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(86, 220, 210) }
```


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

```
.border{ border-color:rgb(86, 220, 210) }
```

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

Here you see how a box with a 4 pixel `rgb(86, 220, 210)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(86, 220, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(86, 220, 210);  
box-shadow:4px 4px 4px 4px rgb(86, 220,  
210) }
```

Background

The CSS property to change the background color of an element to XYZ 41.0638, 57.8180, 69.9685 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(86, 220, 210) }
```

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

```
.background{ background-color: rgb(86, 220,  
210) }
```

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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