

Converting Colors

XYZ(41.2276, 49.7522, 65.9756)

Have a look what the booklet for
XYZ(41.2276, 49.7522, 65.9756)
contains.

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Color

**XYZ(41.0985, 49.5396,
65.7885)**

Conversions

Conversions Part 1

Format	Color
Hex	87C5CE
RGB	135, 197, 206
RGB Percent	53%, 77%, 81%
CMY	0.4706, 0.2274, 0.1922
CMYK	0.34, 0.04, 0.00, 0.19
HSL	188°, 42%, 67%
HSV	188°, 34%, 81%
XYZ	41.0985, 49.5396, 65.7885
YIQ	179.4880, -39.8410, -10.3450

Conversions

Conversions Part 2

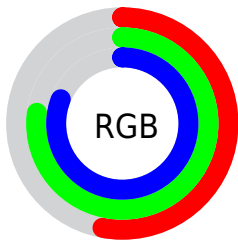
Format	Color
RYB	135, 168, 206
Decimal	8897998
CIELab	75.79, -17.53, -10.83
CIELCh	76, 20.609, 211.698
Yxy	49.5396, 0.2627, 0.3167
Android (android.graphics.Color)	4287088078 (0xFF87C5CE)
YUV	179.4880, 13.0704, -39.0160
Hunter-Lab	70.3844, -18.9438, -6.1495

Details

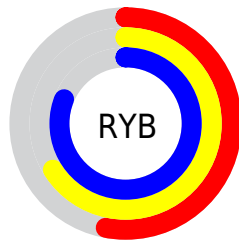
The XYZ color **41.0985, 49.5396, 65.7885** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **39.8008, 34.8182, 27.5457**, and the grayscale version is **43.0570, 45.2993, 49.3309**.

A 20% lighter version of the original color is **74.9777, 89.1800, 107.8695**, and **18.8833, 23.6613, 33.2776** is the 20% darker color. If you saturate the color by 10%, you get **37.5121, 46.8194, 65.4533**, and if you desaturate by 10%, it is **45.3395, 52.6148, 66.1594**.

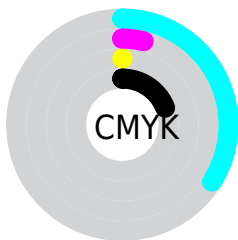
Distribution



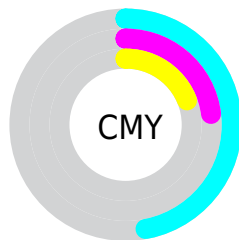
- Red (53%)
- Green (77%)
- Blue (81%)



- Red (53%)
- Yellow (66%)
- Blue (81%)



- Cyan (34%)
- Magenta (4%)
- Yellow (0%)
- Black (19%)



- Cyan (47%)
- Magenta (23%)
- Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 41.0985, 49.5396, 65.7885 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 41.0985, 49.5396, 65.7885 by changing the saturation by 10% instead.

■ 41.0985, 49.5396,
65.7885

■ 41.0985, 49.5396,
65.7885

341.7877,
384.8628, 464.0037

■ 28.5841, 35.0477,
47.6453

■ 76.1072, 89.4924,
114.8068

■ 18.9091, 23.6996,
33.1881

■ 99.3321, 115.7220,
146.5191

■ 11.7082, 15.1110,
21.9983

■ 126.8579,
146.6330, 183.5914

■ 6.6161, 8.8973,
13.6573

159.0500,
182.6099, 226.4424

■ 3.2674, 4.6743,
7.7467

196.2736,
224.0368, 275.4906

■ 1.2967, 2.0574,
3.8479

238.8942,

■ 0.1807, 0.6405,

271.2984, 331.1545

1.5423

287.2771,
324.7789, 393.8527

■ 0.0000, 0.0000,
0.2491

■ 0.0000, 0.0000,
0.0000

■ 41.0985, 49.5396,
65.7885

■ 41.0985, 49.5396,
65.7885

■ 37.5121, 46.8194,
65.4533

■ 45.3395, 52.6148,
66.1594

■ 34.5385, 44.4292,
65.1487

■ 50.2646, 56.0569,
66.5642

■ 32.1383, 42.3497,
64.8738

■ 55.9073, 59.8842,
67.0055

■ 30.2654, 40.5570,
64.6265

■ 62.2973, 64.1122,
67.4848

■ 28.8666, 39.0236,
64.4042

■ 69.4626, 68.7555,
68.0034

■ 27.8771, 37.7161,
64.2040

■ 76.0915, 73.1379,
68.4999

■ 27.4406, 37.0561,
64.0996

■ 76.7522, 74.4592,
68.7201

■ 77.4234, 75.8017,
68.9439

■ 78.1054, 77.1656,
69.1712

Harmonies

Analogous

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



40.1070, 49.5396, 54.5671



41.0985, 49.5396, 65.7885



43.6826, 49.5396, 74.7041

Triad

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



41.0985, 49.5396, 65.7885



53.8665, 49.5396, 64.5614



46.8682, 49.5396, 35.4985

Complementary

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



41.0985, 49.5396, 65.7885



39.8008, 34.8182, 27.5457

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.



50.6616, 49.5396, 37.4315



41.0985, 49.5396, 65.7885



54.8308, 49.5396, 53.3181

Square

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



41.0985, 49.5396, 65.7885



51.0592, 49.5396, 73.9308



53.6283, 49.5396, 43.6074



43.3243, 49.5396, 37.9232

Rectangle

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



41.0985, 49.5396, 65.7885



46.0314, 49.5396, 77.5962



53.6283, 49.5396, 43.6074



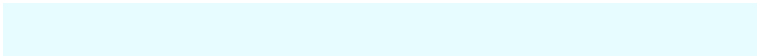
48.1564, 49.5396, 35.6588

Sweetspot

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



41.1000, 49.5416, 65.7896



85.2606, 93.4358, 108.1489



37.0435, 51.2863, 34.0473



17.9758, 19.8129, 23.1268



0.0000, 0.0000, 0.0000



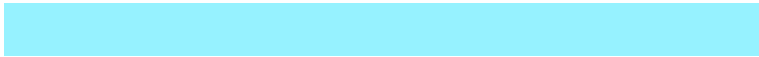
20.3446, 21.4041, 23.3091

Same Dimension

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



41.1000, 49.5416, 65.7896



62.3884, 77.1024, 106.2018



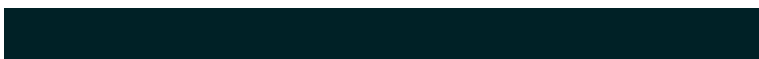
34.0919, 35.5254, 63.4536



11.4173, 12.4750, 14.3765



16.9463, 22.9166, 39.4865



0.9090, 1.2517, 2.0486

Inverse Universe

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



44.1968, 34.4822, 57.1517



68.2078, 49.6124, 89.7889



45.9045, 47.0256, 29.5803



11.6240, 11.3783, 13.8205



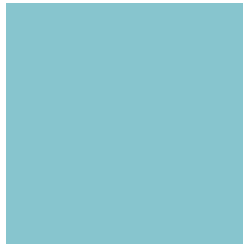
20.7646, 10.1164, 27.5429



1.0888, 0.5289, 1.5133

Previews

White Background



This preview shows how the XYZ color 41.0985, 49.5396, 65.7885 looks on a white background.

Color Contrast Check

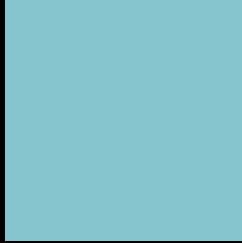
Large Text (above 18pt) WCAG AA × Fail

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 41.0985, 49.5396, 65.7885 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

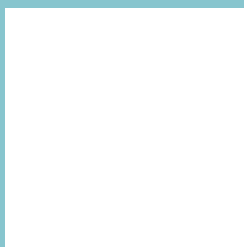
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 41.0985, 49.5396, 65.7885

Background



This preview shows how black text looks on a background with the XYZ color 41.0985, 49.5396, 65.7885.

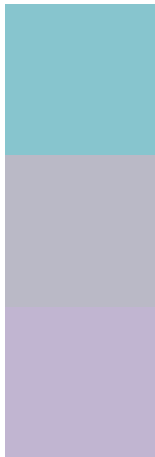


This preview shows how white text looks on a background with the XYZ color 41.0985, 49.5396,

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

41.0985, 49.5396, 65.7885

Protanopia

47.7917, 49.2142, 60.4065

Deuteranopia

50.0248, 48.9887, 67.1408



Tritanopia

41.7769, 49.4676, 69.6337

Trichromacy



Original Color

41.0985, 49.5396, 65.7885

Protanomaly

44.6766, 48.8277, 62.3283

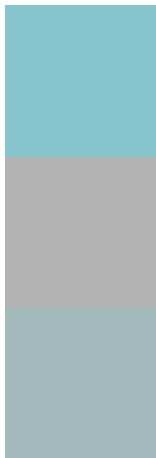
Deuteranomaly

46.1687, 48.8654, 66.6731

Tritanomaly

41.5261, 49.3672, 68.3129

Monochromacy



Original Color

41.0985, 49.5396, 65.7885

Achromatopsia

42.8472, 45.0786, 49.0906

Achromatomaly

41.8485, 46.5785, 54.9290

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.0985, 49.5396, 65.7885 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(135, 197, 206)` looks like.

```
.text, #text, p{  
    color:rgb(135, 197, 206)  
}
```

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(135, 197, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 197, 206) }
```

Border

The CSS property to change the border of an element to XYZ 41.0985, 49.5396, 65.7885 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(135, 197, 206) }
```


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

```
.border{ border-color:rgb(135, 197, 206) }
```

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

Here you see how a box with a 4 pixel rgb(135, 197, 206) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 197, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 197, 206);  
box-shadow:4px 4px 4px 4px rgb(135, 197,  
206) }
```

Background

The CSS property to change the background color of an element to XYZ 41.0985, 49.5396, 65.7885 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 197, 206) }
```

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

```
.background{ background-color: rgb(135,  
197, 206) }
```

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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