

Converting Colors

XYZ(41.6445, 51.3438, 63.5935)

Have a look what the booklet for
XYZ(41.6445, 51.3438, 63.5935)
contains.

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Color

**XYZ(41.5390, 51.1885,
63.5681)**

Conversions

Conversions Part 1

Format	Color
Hex	87C9CA
RGB	135, 201, 202
RGB Percent	53%, 79%, 79%
CMY	0.4706, 0.2117, 0.2078
CMYK	0.33, 0.00, 0.00, 0.21
HSL	181°, 39%, 66%
HSV	181°, 33%, 79%
XYZ	41.5390, 51.1885, 63.5681
YIQ	181.3800, -39.6570, -13.6810

Conversions

Conversions Part 2

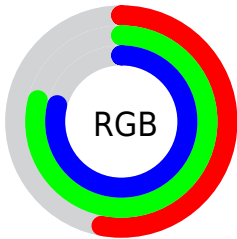
Format	Color
RYB	135, 168, 202
Decimal	8899018
CIELab	76.79, -20.53, -7.17
CIElCh	77, 21.746, 199.247
Yxy	51.1885, 0.2658, 0.3275
Android (android.graphics.Color)	4287089098 (0xFF87C9CA)
YUV	181.3800, 10.1657, -40.6753
Hunter-Lab	71.5461, -21.5704, -2.5963

Details

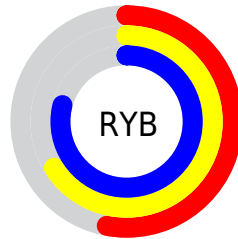
The XYZ color **41.5390, 51.1885, 63.5681** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **37.5351, 31.9145, 27.1046**, and the grayscale version is **44.0899, 46.3860, 50.5144**.

A 20% lighter version of the original color is **75.2959, 89.8164, 107.9755**, and **19.1724, 24.7549, 31.7847** is the 20% darker color. If you saturate the color by 10%, you get **38.5226, 49.5308, 63.4080**, and if you desaturate by 10%, it is **45.1751, 53.1684, 63.7595**.

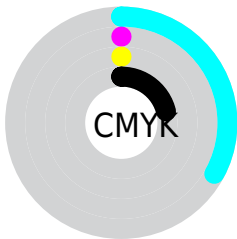
Distribution



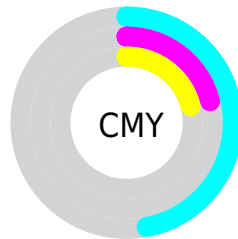
- Red (53%)
- Green (79%)
- Blue (79%)



- Red (53%)
- Yellow (66%)
- Blue (79%)



- Cyan (33%)
- Magenta (0%)
- Yellow (0%)
- Black (21%)



- Cyan (47%)
- Magenta (21%)
- Yellow (21%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 41.5390, 51.1885, 63.5681 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 41.5390, 51.1885, 63.5681 by changing the saturation by 10% instead.

■ 41.5390, 51.1885,
63.5681

■ 41.5390, 51.1885,
63.5681

343.5926,
391.2957, 455.7929

■ 28.9300, 36.3586,
45.8570

■ 76.7710, 91.9333,
111.5822

■ 19.1719, 24.7113,
31.7851

■ 100.1247,
118.6171, 142.7222

■ 11.8993, 15.8621,
20.9340

■ 127.7907,
150.0210, 179.1757

■ 6.7469, 9.4266,
12.8850

160.1344,
186.5294, 221.3611

■ 3.3492, 5.0205,
7.2196

197.5210,
228.5266, 269.6970

■ 1.3410, 2.2593,
3.5193

240.3161,

■ 0.2136, 0.7520,

276.3972, 324.6019

1.3655

288.8848,
330.5254, 386.4943

■ 0.0000, 0.0000,
0.1146

■ 0.0000, 0.0000,
0.0000

■ 41.5390, 51.1885,
63.5681

■ 41.5390, 51.1885,
63.5681

■ 38.5226, 49.5308,
63.4080

■ 45.1751, 53.1684,
63.7595

■ 36.0865, 48.1712,
63.2739

■ 49.4587, 55.4811,
63.9801

■ 34.1938, 47.0918,
63.1654

■ 54.4212, 58.1440,
64.2325

■ 32.8012, 46.2706,
63.0802

■ 60.0908, 61.1715,
64.5181

■ 31.8593, 45.6818,
63.0162

■ 66.4939, 64.5775,
64.8380

■ 31.3082, 45.2947,
62.9706

■ 73.2115, 68.1457,
65.1727

■ 31.0828, 45.1083,
62.9465

■ 73.2825, 68.2877,
65.1964

■ 73.3537, 68.4300,
65.2201

■ 73.4250, 68.5726,
65.2439

Harmonies

Analogous

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



41.2658, 51.1885, 51.6019



41.5390, 51.1885, 63.5681



43.6544, 51.1885, 74.7857

Triad

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



41.5390, 51.1885, 63.5681



54.9157, 51.1885, 71.9272



50.1488, 51.1885, 36.2563

Complementary

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



41.5390, 51.1885, 63.5681



37.5351, 31.9145, 27.1046

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.



54.0196, 51.1885, 40.2309



41.5390, 51.1885, 63.5681



56.8733, 51.1885, 60.0843

Square

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



41.5390, 51.1885, 63.5681



51.3162, 51.1885, 80.0637



56.5364, 51.1885, 48.5744



46.0838, 51.1885, 36.9144

Rectangle

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



41.5390, 51.1885, 63.5681



45.8950, 51.1885, 79.8039



56.5364, 51.1885, 48.5744



51.5196, 51.1885, 37.0698

Sweetspot

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



41.5405, 51.1905, 63.5693



86.1619, 95.2384, 108.4494



35.4864, 49.1422, 30.5378



18.1956, 20.2524, 23.2000



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.



41.5405, 51.1905, 63.5693



66.4643, 84.5472, 107.4239



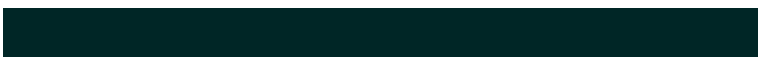
34.7485, 37.6065, 61.3053



11.5284, 12.6973, 14.4136



20.0074, 29.0387, 40.5068



1.0368, 1.5074, 2.0913

Inverse Universe

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



43.5649, 34.1027, 59.5471



70.4377, 51.1650, 99.4944



42.8264, 42.4971, 28.8683



11.6801, 11.4008, 14.1159



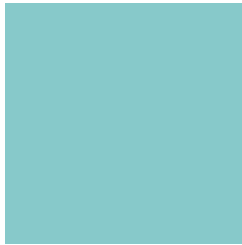
22.3097, 10.7345, 35.6792



1.1533, 0.5547, 1.8531

Previews

White Background



This preview shows how the XYZ color 41.5390, 51.1885, 63.5681 looks on a white background.

Color Contrast Check

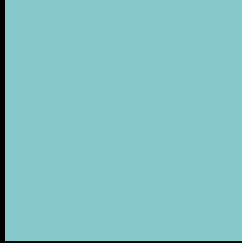
Large Text (above 18pt) WCAG AA × Fail

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 41.5390, 51.1885, 63.5681 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

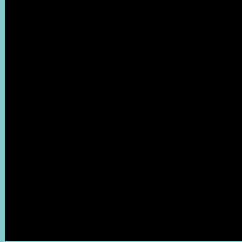
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 41.5390, 51.1885, 63.5681

Background



This preview shows how black text looks on a background with the XYZ color 41.5390, 51.1885, 63.5681.



This preview shows how white text looks on a background with the XYZ color 41.5390, 51.1885,

63.5681.

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

41.5390, 51.1885, 63.5681

Protanopia

48.9560, 50.8086, 58.2657

Deuteranopia

51.6273, 50.4653, 65.4123



Tritanopia

43.1704, 51.1564, 71.8888

Trichromacy



Original Color

41.5390, 51.1885, 63.5681

Protanomaly

45.7256, 50.7172, 60.2027

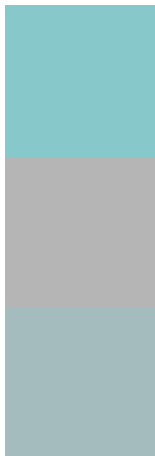
Deuteranomaly

47.3374, 50.4648, 65.0033

Tritanomaly

42.6037, 51.2801, 68.6254

Monochromacy



Original Color

41.5390, 51.1885, 63.5681

Achromatopsia

43.9204, 46.2077, 50.3202

Achromatomaly

42.4784, 47.5331, 55.0801

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.5390, 51.1885, 63.5681 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, 201, 202)` looks like.

```
.text, #text, p{  
    color:rgb(135, 201, 202)  
}
```

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, 201, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 201, 202) }
```

Border

The CSS property to change the border of an element to XYZ 41.5390, 51.1885, 63.5681 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, 201, 202) }
```


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

```
.border{ border-color:rgb(135, 201, 202) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 201, 202)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 201, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 201, 202);  
box-shadow:4px 4px 4px 4px rgb(135, 201,  
202) }
```

Background

The CSS property to change the background color of an element to XYZ 41.5390, 51.1885, 63.5681 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 201, 202) }
```

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

```
.background{ background-color: rgb(135,  
201, 202) }
```

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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