

Converting Colors

XYZ(39.6875, 51.9044, 51.6429)

Have a look what the booklet for
XYZ(39.6875, 51.9044, 51.6429)
contains.

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Color

**XYZ(39.6875, 51.9044,
51.6429)**

Conversions

Conversions Part 1

Format	Color
Hex	84CDB5
RGB	132, 205, 181
RGB Percent	52%, 80%, 71%
CMY	0.4823, 0.1961, 0.2902
CMYK	0.36, 0.00, 0.12, 0.20
HSL	160°, 42%, 66%
HSV	160°, 36%, 80%
XYZ	39.6875, 51.9044, 51.6429
YIQ	180.4370, -35.8040, -22.9400

Conversions

Conversions Part 2

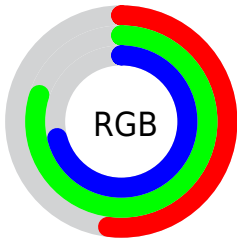
Format	Color
RYB	132, 176, 205
Decimal	8703413
CIELab	77.22, -28.11, 4.76
CIELCh	77, 28.510, 170.392
Yxy	51.9044, 0.2771, 0.3624
Android (android.graphics.Color)	4286893493 (0xFF84CDB5)
YUV	180.4370, 0.2776, -42.4792
Hunter-Lab	72.0447, -27.7474, 7.9312

Details

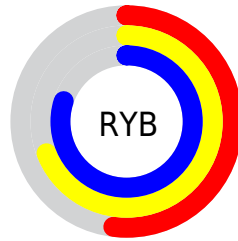
The XYZ color **39.6875, 51.9044, 51.6429** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **39.4306, 31.8832, 35.5302**, and the grayscale version is **43.6308, 45.9030, 49.9884**.

A 20% lighter version of the original color is **71.5396, 88.1992, 93.3744**, and **18.0271, 25.0335, 24.3039** is the 20% darker color. If you saturate the color by 10%, you get **36.1166, 50.1429, 47.9531**, and if you desaturate by 10%, it is **43.9247, 54.0083, 55.5408**.

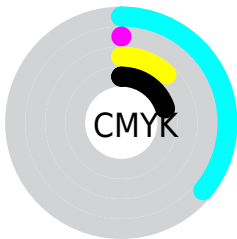
Distribution



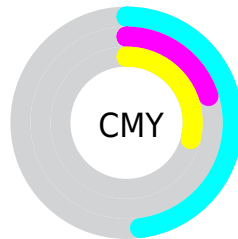
- Red (52%)
- Green (80%)
- Blue (71%)



- Red (52%)
- Yellow (69%)
- Blue (80%)



- Cyan (36%)
- Magenta (0%)
- Yellow (12%)
- Black (20%)




- Cyan (48%)
- Magenta (20%)
- Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 39.6875, 51.9044, 51.6429 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 39.6875, 51.9044, 51.6429 by changing the saturation by 10% instead.


 39.6875, 51.9044,
51.6429


 39.6875, 51.9044,
51.6429


335.9617,
394.0674, 409.9741


 27.4781, 36.9289,
36.3402


 73.9748, 92.9902,
94.0256

 18.0711, 25.1524,
24.4053


 96.7834, 119.8693,
121.9427

 11.1010, 16.1907,
15.4196


 123.8558,
151.4851, 154.9017

 6.2026, 9.6592,
8.9645

155.5573,
188.2219, 193.3212

 3.0105, 5.1736,
4.6215

192.2533,
230.4641, 237.6196

 1.1593, 2.3495,
1.9721

234.3091,

 0.0739, 0.7997,

278.5962, 288.2155

0.5381

282.0901,
333.0025, 345.5275

■ 0.0000, 0.0000,
0.0000

■ 39.6875, 51.9044,
51.6429

■ 39.6875, 51.9044,
51.6429

■ 36.1166, 50.1429,
47.9531

■ 43.9247, 54.0083,
55.5408

■ 33.1701, 48.6981,
44.4637

■ 48.8583, 56.4659,
59.6473

■ 30.8080, 47.5508,
41.1714

■ 54.5219, 59.2958,
63.9674

■ 28.9838, 46.6771,
38.0715

■ 60.9455, 62.5135,
68.5047

■ 27.6433, 46.0491,
35.1588

■ 68.1573, 66.1334,
73.2630

■ 26.7199, 45.6326,
32.4276

■ 76.1826, 70.1687,
78.2455

■ 26.3909, 45.4880,
31.2826

■ 77.1014, 70.5362,
83.0839

■ 78.0567, 70.9183,
88.1144

■ 79.0489, 71.3152,
93.3394

Harmonies

Analogous

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



41.6777, 51.9044, 39.4288



39.6875, 51.9044, 51.6429



40.1310, 51.9044, 67.6550

Triad

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



39.6875, 51.9044, 51.6429



53.0837, 51.9044, 89.6501



56.3355, 51.9044, 36.3677

Complementary

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



39.6875, 51.9044, 51.6429



39.4306, 31.8832, 35.5302

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.



59.8453, 51.9044, 46.6704



39.6875, 51.9044, 51.6429



57.8739, 51.9044, 77.9375

Square

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



39.6875, 51.9044, 51.6429



47.6017, 51.9044, 91.6547



60.4282, 51.9044, 61.6844



51.1070, 51.9044, 31.7469

Rectangle

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



39.6875, 51.9044, 51.6429



41.7603, 51.9044, 78.3290



60.4282, 51.9044, 61.6844



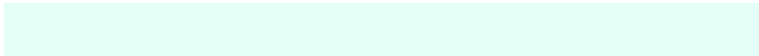
57.7712, 51.9044, 39.1812

Sweetspot

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



39.6890, 51.9065, 51.6441



84.0232, 94.4829, 100.8183



39.7727, 52.4320, 29.8546



17.7162, 20.0893, 21.3726



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.



39.6890, 51.9065, 51.6441



60.2782, 82.6833, 79.7646



39.5699, 47.3815, 64.8201



11.3803, 12.6619, 13.5601



16.4740, 28.3349, 19.7130



0.8840, 1.4754, 1.1965

Inverse Universe

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



39.4306, 31.8832, 35.5302



59.8008, 44.9706, 49.4609



39.3418, 34.6434, 26.4438



11.3619, 11.2735, 12.4403



16.3511, 8.3510, 4.3016



0.8785, 0.4448, 0.4062

Previews

White Background



This preview shows how the XYZ color 39.6875, 51.9044, 51.6429 looks on a white background.

Color Contrast Check

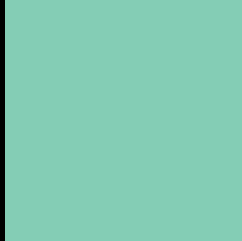
Large Text (above 18pt) WCAG AA × Fail

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 39.6875, 51.9044, 51.6429 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

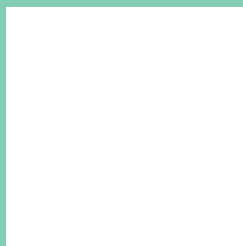
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 39.6875, 51.9044, 51.6429

Background



This preview shows how black text looks on a background with the XYZ color 39.6875, 51.9044, 51.6429.

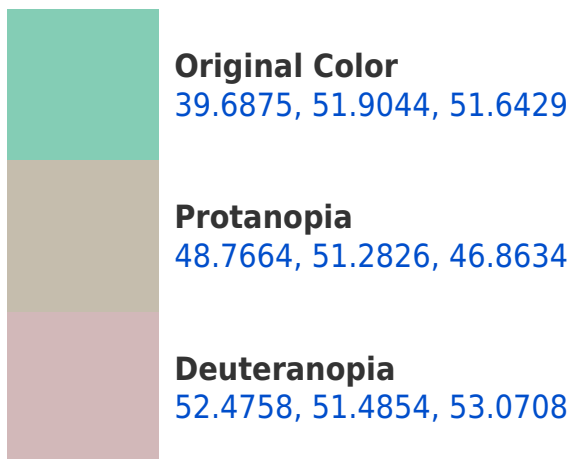


This preview shows how white text looks on a background with the XYZ color 39.6875, 51.9044,

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

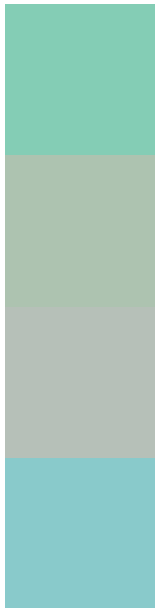




Tritanopia

43.8642, 51.8419, 72.6603

Trichromacy



Original Color

39.6875, 51.9044, 51.6429

Protanomaly

44.5852, 51.0490, 48.5779

Deuteranomaly

46.7928, 51.1050, 52.7454

Tritanomaly

42.2165, 51.8712, 64.2870

Monochromacy



Original Color

39.6875, 51.9044, 51.6429

Achromatopsia

43.3819, 45.6411, 49.7032

Achromatomaly

41.5401, 47.4770, 50.1546

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.6875, 51.9044, 51.6429 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(132, 205, 181)` looks like.

```
.text, #text, p{  
    color:rgb(132, 205, 181)  
}
```

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(132, 205, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 205, 181) }
```

Border

The CSS property to change the border of an element to XYZ 39.6875, 51.9044, 51.6429 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(132, 205, 181) }
```


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

```
.border{ border-color:rgb(132, 205, 181) }
```

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

Here you see how a box with a 4 pixel `rgb(132, 205, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(132, 205, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(132, 205, 181);  
box-shadow:4px 4px 4px 4px rgb(132, 205,  
181) }
```

Background

The CSS property to change the background color of an element to XYZ 39.6875, 51.9044, 51.6429 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 205, 181) }
```

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

```
.background{ background-color: rgb(132,  
205, 181) }
```

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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