

Converting Colors

XYZ(40.3380, 53.6952, 51.2489)

Have a look what the booklet for
XYZ(40.3380, 53.6952, 51.2489)
contains.

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Color

**XYZ(40.3988, 53.7215,
51.4201)**

Conversions

Conversions Part 1

Format	Color
Hex	83D1B4
RGB	131, 209, 180
RGB Percent	51%, 82%, 71%
CMY	0.4863, 0.1804, 0.2941
CMYK	0.37, 0.00, 0.14, 0.18
HSL	158°, 46%, 67%
HSV	158°, 37%, 82%
XYZ	40.3988, 53.7215, 51.4201
YIQ	182.3720, -37.1790, -25.5550

Conversions

Conversions Part 2

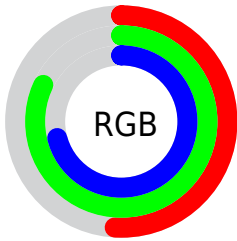
Format	Color
RYB	131, 179, 209
Decimal	8638900
CIELab	78.30, -30.53, 6.84
CIElCh	78, 31.282, 167.375
Yxy	53.7215, 0.2776, 0.3691
Android (android.graphics.Color)	4286828980 (0xFF83D1B4)
YUV	182.3720, -1.1694, -45.0532
Hunter-Lab	73.2950, -29.8803, 9.7115

Details

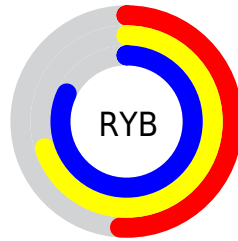
The XYZ color **40.3988, 53.7215, 51.4201** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **40.7578, 32.3274, 37.3516**, and the grayscale version is **44.6882, 47.0154, 51.1998**.

A 20% lighter version of the original color is **71.3938, 88.1409, 92.6069**, and **18.4469, 26.2213, 24.1676** is the 20% darker color. If you saturate the color by 10%, you get **36.7131, 51.9118, 47.2309**, and if you desaturate by 10%, it is **44.7848, 55.8899, 55.8761**.

Distribution



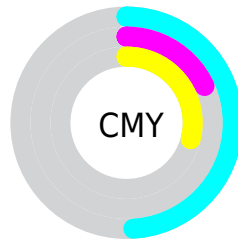
- Red (51%)
- Green (82%)
- Blue (71%)



- Red (51%)
- Yellow (70%)
- Blue (82%)



- Cyan (37%)
- Magenta (0%)
- Yellow (14%)
- Black (18%)





- Cyan (49%)
- Magenta (18%)
- Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 40.3988, 53.7215, 51.4201 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 40.3988, 53.7215, 51.4201 by changing the saturation by 10% instead.


 40.3988, 53.7215,
51.4201


 40.3988, 53.7215,
51.4201


338.9073,
401.0471, 409.0868


 28.0352, 38.3791,
36.1640


 75.0509, 95.6652,
93.6933

 18.4928, 26.2770,
24.2702


 98.0701, 123.0353,
121.5475

 11.4062, 17.0310,
15.3201

 125.3719,
155.1833, 154.4381

 6.4100, 10.2566,
8.8952

157.3217,
192.4937, 192.7837

 3.1390, 5.5694,
4.5770

194.2847,
235.3509, 237.0029

 1.2277, 2.5851,
1.9469

236.6264,

 0.1281, 0.9192,

284.1393, 287.5141

0.5224

284.7122,
339.2432, 344.7359

■ 0.0000, 0.0000,
0.0000

■ 40.3988, 53.7215,
51.4201

■ 40.3988, 53.7215,
51.4201

■ 36.7131, 51.9118,
47.2309

■ 44.7848, 55.8899,
55.8761

■ 33.6831, 50.4336,
43.2993

■ 49.9035, 58.4294,
60.6006

■ 31.2656, 49.2663,
39.6205


■ 55.7907, 61.3598,
65.6001


■ 29.4105, 48.3840,
36.1881


■ 62.4783, 64.6975,
70.8796


■ 28.0589, 47.7565,
32.9954


■ 69.9966, 68.4580,
76.4438


 27.1311, 47.3428,
30.0345

 77.8553, 72.3884,
82.2734

 26.9180, 47.2495,
29.2782

 78.9502, 72.8263,
88.0389

 80.0941, 73.2839,
94.0626

 81.2876, 73.7613,
100.3476

Harmonies

Analogous

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



42.8680, 53.7215, 38.4789



40.3988, 53.7215, 51.4201



40.6156, 53.7215, 69.1669

Triad

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



40.3988, 53.7215, 51.4201



54.6628, 53.7215, 96.9956



59.4676, 53.7215, 37.0013

Complementary

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



40.3988, 53.7215, 51.4201



40.7578, 32.3274, 37.3516

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.



63.1586, 53.7215, 48.9790



40.3988, 53.7215, 51.4201



60.2358, 53.7215, 84.4665

Square

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



40.3988, 53.7215, 51.4201



48.5271, 53.7215, 98.0140



63.4505, 53.7215, 66.1877



53.6810, 53.7215, 31.3452

Rectangle

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



40.3988, 53.7215, 51.4201



42.2533, 53.7215, 81.4763



63.4505, 53.7215, 66.1877



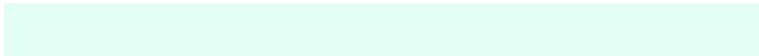
61.0140, 53.7215, 40.2986

Sweetspot

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



40.4003, 53.7237, 51.4213



83.8387, 94.4091, 99.8469



41.5768, 54.8086, 29.8615



17.6721, 20.0716, 21.1405



0.0000, 0.0000, 0.0000



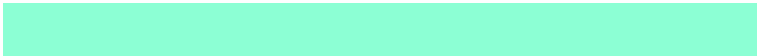
20.3446, 21.4041, 23.3091

Same Dimension

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



40.4003, 53.7237, 51.4213



58.5433, 81.8875, 75.2288



41.5016, 50.6931, 67.9215



11.9642, 13.3294, 14.1677



16.6452, 29.1510, 18.3098



0.9684, 1.6450, 1.2222

Inverse Universe

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



40.7578, 32.3274, 37.3516



59.1932, 43.5047, 50.0313



39.7856, 33.9809, 25.9357



11.9879, 11.8799, 13.2121



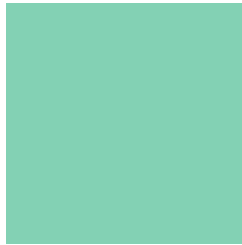
17.0978, 8.7120, 5.4213



0.9939, 0.5023, 0.5029

Previews

White Background



This preview shows how the XYZ color 40.3988, 53.7215, 51.4201 looks on a white background.

Color Contrast Check

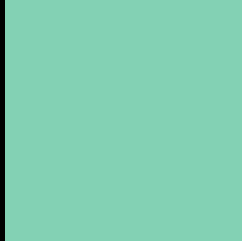
Large Text (above 18pt) WCAG AA × Fail

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 40.3988, 53.7215, 51.4201 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

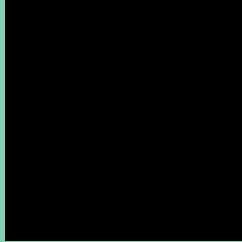
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 40.3988, 53.7215, 51.4201

Background



This preview shows how black text looks on a background with the XYZ color 40.3988, 53.7215, 51.4201.

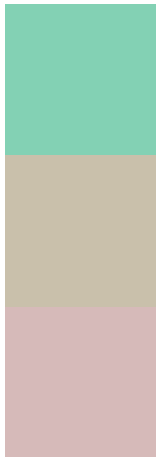


This preview shows how white text looks on a background with the XYZ color 40.3988, 53.7215,

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

40.3988, 53.7215, 51.4201

Protanopia

50.2877, 53.0571, 46.1187

Deuteranopia

54.0474, 52.9167, 53.2643



Tritanopia

45.0894, 53.4546, 75.6515

Trichromacy



Original Color

40.3988, 53.7215, 51.4201

Protanomaly

45.7386, 52.6743, 47.8009

Deuteranomaly

47.6062, 52.1928, 52.3649

Tritanomaly

43.1673, 53.3888, 65.7875

Monochromacy



Original Color

40.3988, 53.7215, 51.4201

Achromatopsia

44.4628, 46.7784, 50.9417

Achromatomaly

42.2944, 48.8220, 50.9105

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.3988, 53.7215, 51.4201 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(131, 209, 180)` looks like.

```
.text, #text, p{  
    color:rgb(131, 209, 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(131, 209, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 209, 180) }
```

Border

The CSS property to change the border of an element to XYZ 40.3988, 53.7215, 51.4201 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(131, 209, 180) }
```


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

```
.border{ border-color:rgb(131, 209, 180) }
```

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

Here you see how a box with a 4 pixel `rgb(131, 209, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(131, 209, 180); -webkit-box-shadow:4px 4px 4px 4px rgb(131, 209, 180); box-shadow:4px 4px 4px 4px rgb(131, 209, 180) }
```

Background

The CSS property to change the background color of an element to XYZ 40.3988, 53.7215, 51.4201 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 209, 180) }
```

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

```
.background{ background-color: rgb(131,  
209, 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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