

Converting Colors

XYZ(38.7188, 50.3616, 50.8601)

Have a look what the booklet for
XYZ(38.7188, 50.3616, 50.8601)
contains.

XYZ(38.7188, 50.3616, 50.8601)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(38.7188, 50.3616,
50.8601)**

Conversions

Conversions Part 1

Format	Color
Hex	83CAB4
RGB	131, 202, 180
RGB Percent	51%, 79%, 71%
CMY	0.4863, 0.2078, 0.2941
CMYK	0.35, 0.00, 0.11, 0.21
HSL	161°, 40%, 65%
HSV	161°, 35%, 79%
XYZ	38.7188, 50.3616, 50.8601
YIQ	178.2630, -35.2540, -21.8940

Conversions

Conversions Part 2

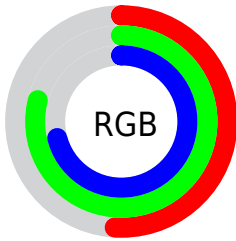
Format	Color
RYB	131, 173, 202
Decimal	8637108
CIELab	76.29, -27.15, 3.94
CIElCh	76, 27.439, 171.740
Yxy	50.3616, 0.2767, 0.3599
Android (android.graphics.Color)	4286827188 (0xFF83CAB4)
YUV	178.2630, 0.8563, -41.4497
Hunter-Lab	70.9659, -26.8012, 7.1840

Details

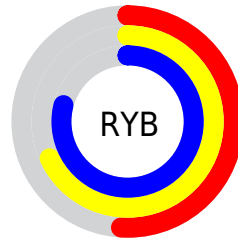
The XYZ color **38.7188, 50.3616, 50.8601** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **38.2249, 31.0903, 34.1253**, and the grayscale version is **42.4662, 44.6778, 48.6541**.

A 20% lighter version of the original color is **71.1500, 88.0152, 92.5955**, and **17.5626, 24.3318, 23.8495** is the 20% darker color. If you saturate the color by 10%, you get **35.2669, 48.6554, 47.4452**, and if you desaturate by 10%, it is **42.8123, 52.3978, 54.4575**.

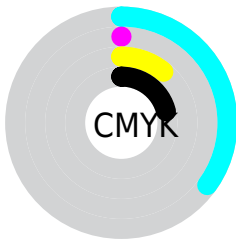
Distribution



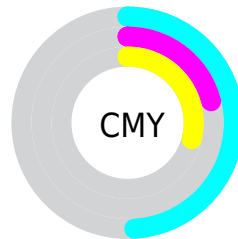
- Red (51%)
- Green (79%)
- Blue (71%)



- Red (51%)
- Yellow (68%)
- Blue (79%)



- Cyan (35%)
- Magenta (0%)
- Yellow (11%)
- Black (21%)



- Cyan (49%)
- Magenta (21%)
- Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.7188, 50.3616, 50.8601 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 38.7188, 50.3616, 50.8601 by changing the saturation by 10% instead.

■ 38.7188, 50.3616,
50.8601

■ 38.7188, 50.3616,
50.8601

331.9213,
388.0783, 406.8510

■ 26.7208, 35.7008,
35.7213

■ 72.5054, 90.7104,
92.8573

■ 17.4991, 24.2032,
23.9311

■ 95.0246, 117.1672,
120.5529

■ 10.6885, 15.4844,
15.0708

■ 121.7817,
148.3248, 153.2711

■ 5.9235, 9.1601,
8.7219

153.1419,
184.5676, 191.4305

■ 2.8389, 4.8457,
4.4659

189.4706,
226.2799, 235.4496

■ 1.0691, 2.1570,
1.8843

231.1331,

■ 0.0000, 0.6964,

273.8462, 285.7471

0.4827

278.4949,
327.6509, 342.7414

■ 0.0000, 0.0000,
0.0000

■ 38.7188, 50.3616,
50.8601

■ 38.7188, 50.3616,
50.8601

■ 35.2669, 48.6554,
47.4452

■ 42.8123, 52.3978,
54.4575

■ 32.4163, 47.2546,
44.2059

■ 47.5762, 54.7750,
58.2375

■ 30.1289, 46.1409,
41.1392

■ 53.0427, 57.5109,
62.2046

■ 28.3600, 45.2913,
38.2412

■ 59.2406, 60.6205,
66.3619

■ 27.0580, 44.6793,
35.5074

■ 66.1970, 64.1175,
70.7126

■ 26.1599, 44.2724,
32.9326

■ 73.9378, 68.0154,
75.2596

■ 25.8114, 44.1188,
31.7374

■ 75.7915, 68.8749,
79.6925

■ 76.6555, 69.2205,
84.2423

■ 77.5511, 69.5787,
88.9583

Harmonies

Analogous

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



40.5033, 50.3616, 39.0784



38.7188, 50.3616, 50.8601



39.2436, 50.3616, 66.0278

Triad

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



38.7188, 50.3616, 50.8601



51.6305, 50.3616, 85.6306



54.2663, 50.3616, 35.4408

Complementary

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



38.7188, 50.3616, 50.8601



38.2249, 31.0903, 34.1253

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.



57.6697, 50.3616, 44.9848



38.7188, 50.3616, 50.8601



56.0736, 50.3616, 74.3434

Square

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



38.7188, 50.3616, 50.8601



46.4583, 50.3616, 87.9714



58.3538, 50.3616, 59.0123



49.3043, 50.3616, 31.2804

Rectangle

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



38.7188, 50.3616, 50.8601



40.8502, 50.3616, 75.9719



58.3538, 50.3616, 59.0123



55.6449, 50.3616, 38.0347

Sweetspot

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



38.7202, 50.3636, 50.8612



84.1046, 94.5155, 101.2472



38.4471, 50.7013, 29.2335



17.7357, 20.0970, 21.4751



0.0000, 0.0000, 0.0000



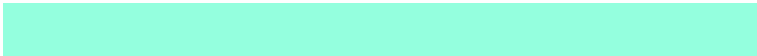
20.3446, 21.4041, 23.3091

Same Dimension

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



38.7202, 50.3636, 50.8612



61.1142, 83.0704, 81.7880



38.2163, 45.4794, 62.6436



11.3895, 12.6655, 13.6085



16.6502, 28.4054, 20.6405



0.8921, 1.4786, 1.2391

Inverse Universe

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



38.2249, 31.0903, 34.1253



60.1638, 45.7483, 49.4230



38.4312, 34.1482, 26.0393



11.3531, 11.2700, 12.3941



16.2791, 8.3222, 3.9225



0.8740, 0.4430, 0.3826

Previews

White Background



This preview shows how the XYZ color 38.7188, 50.3616, 50.8601 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 38.7188, 50.3616, 50.8601 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

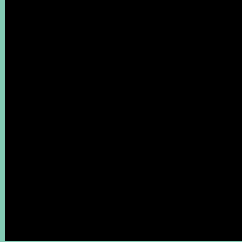
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 38.7188, 50.3616, 50.8601

Background



This preview shows how black text looks on a background with the XYZ color 38.7188, 50.3616, 50.8601.



This preview shows how white text looks on a background with the XYZ color 38.7188, 50.3616,

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

38.7188, 50.3616, 50.8601

Protanopia

47.4649, 49.9885, 46.1768

Deuteranopia

50.6292, 49.6303, 52.2585



Tritanopia

42.6240, 50.2256, 70.3988

Trichromacy



Original Color

38.7188, 50.3616, 50.8601

Protanomaly

43.3821, 49.4523, 47.8162

Deuteranomaly

45.3352, 49.3978, 51.9451

Tritanomaly

41.1194, 50.2981, 62.7996

Monochromacy



Original Color

38.7188, 50.3616, 50.8601

Achromatopsia

42.3164, 44.5201, 48.4824

Achromatomaly

40.6049, 46.3724, 49.4585

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.7188, 50.3616, 50.8601 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, 202, 180)` looks like.

```
.text, #text, p{  
    color:rgb(131, 202, 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, 202, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 202, 180) }
```

Border

The CSS property to change the border of an element to XYZ 38.7188, 50.3616, 50.8601 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, 202, 180) }
```


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

```
.border{ border-color:rgb(131, 202, 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, 202, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 202, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 202, 180);  
box-shadow:4px 4px 4px 4px rgb(131, 202,  
180) }
```

Background

The CSS property to change the background color of an element to XYZ 38.7188, 50.3616, 50.8601 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 202, 180) }
```

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

```
.background{ background-color: rgb(131,  
202, 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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