

Converting Colors

XYZ(37.8309, 50.4824, 43.3650)

Have a look what the booklet for
XYZ(37.8309, 50.4824, 43.3650)
contains.

XYZ(37.8203, 50.4150, 43.3350)	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(37.8203, 50.4150,
43.3350)**

Conversions

Conversions Part 1

Format	Color
Hex	85CBA5
RGB	133, 203, 165
RGB Percent	52%, 80%, 65%
CMY	0.4784, 0.2039, 0.3529
CMYK	0.34, 0.00, 0.19, 0.20
HSL	147°, 40%, 66%
HSV	147°, 34%, 80%
XYZ	37.8203, 50.4150, 43.3350
YIQ	177.7380, -29.5220, -26.6580

Conversions

Conversions Part 2

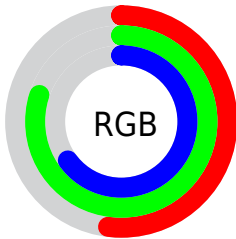
Format	Color
RYB	133, 181, 203
Decimal	8768421
CIELab	76.32, -30.18, 12.06
CIElCh	76, 32.506, 158.216
Yxy	50.4150, 0.2875, 0.3832
Android (android.graphics.Color)	4286958501 (0xFF85CBA5)
YUV	177.7380, -6.2798, -39.2352
Hunter-Lab	71.0035, -29.1774, 13.5165

Details

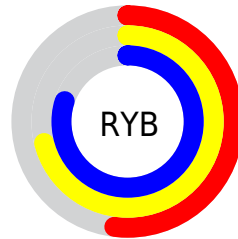
The XYZ color **37.8203, 50.4150, 43.3350** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **40.3685, 32.4130, 42.6587**, and the grayscale version is **42.2228, 44.4217, 48.3752**.

A 20% lighter version of the original color is **69.4173, 87.3787, 80.9172**, and **16.8788, 24.0775, 19.3806** is the 20% darker color. If you saturate the color by 10%, you get **33.9597, 48.5371, 38.1423**, and if you desaturate by 10%, it is **42.3895, 52.6509, 49.0143**.

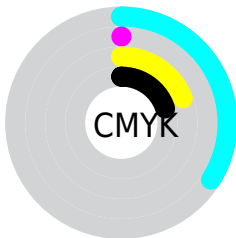
Distribution



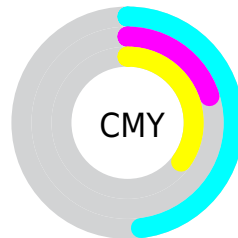
- Red (52%)
- Green (80%)
- Blue (65%)



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



- Cyan (34%)
- Magenta (0%)
- Yellow (19%)
- Black (20%)





- Cyan (48%)
- Magenta (20%)
- Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 37.8203, 50.4150, 43.3350 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 37.8203, 50.4150, 43.3350 by changing the saturation by 10% instead.


 37.8203, 50.4150,
43.3350


 37.8203, 50.4150,
43.3350


328.1427,
388.2866, 375.9493

 26.0198, 35.7433,
29.8147

 71.1383, 90.7895,
81.5079

 16.9712, 24.2360,
19.4471


 93.3865, 117.2610,
106.9976

 10.3092, 15.5088,
11.8137


 119.8481,
148.4345, 137.3142

 5.6683, 9.1772,
6.4960

150.8883,
184.6945, 172.8762

 2.6832, 4.8570,
3.0753

186.8725,
226.4253, 214.1022

 0.9885, 2.1636,
1.1332

228.1660,

 0.0000, 0.7000,

274.0113, 261.4106

0.0000

275.1343,
327.8370, 315.2202

■ 0.0000, 0.0000,
0.0000

■ 37.8203, 50.4150,
43.3350

■ 37.8203, 50.4150,
43.3350

■ 33.9597, 48.5371,
38.1423

■ 42.3895, 52.6509,
49.0143

■ 30.7656, 46.9917,
33.4197

■ 47.6982, 55.2565,
55.1893

■ 28.1976, 45.7596,
29.1546


■ 53.7804, 58.2503,
61.8732


■ 26.2090, 44.8170,
25.3325


■ 60.6668, 61.6481,
69.0777


■ 24.7461, 44.1364,
21.9380


■ 68.3862, 65.4644,
76.8141


 23.7438, 43.6848,
18.9545

 76.9662, 69.7132,
85.0932

 23.3237, 43.5005,
17.4764

 78.6457, 70.3933,
93.5611

 80.3529, 71.0761,
102.5511

 80.6469, 71.1937,
104.0990

Harmonies

Analogous

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



41.0147, 50.4150, 32.4839



37.8203, 50.4150, 43.3350



37.2104, 50.4150, 59.8405

Triad

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



37.8203, 50.4150, 43.3350



49.6156, 50.4150, 95.3578



57.7485, 50.4150, 36.6070

Complementary

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



37.8203, 50.4150, 43.3350



40.3685, 32.4130, 42.6587

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.



60.5047, 50.4150, 50.2267



37.8203, 50.4150, 43.3350



55.5553, 50.4150, 85.7814

Square

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



37.8203, 50.4150, 43.3350



43.6910, 50.4150, 92.4169



59.6697, 50.4150, 68.3434



52.4091, 50.4150, 29.2130

Rectangle

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



37.8203, 50.4150, 43.3350



38.2978, 50.4150, 72.3774



59.6697, 50.4150, 68.3434



59.0276, 50.4150, 40.4795

Sweetspot

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



37.8217, 50.4171, 43.3361



84.1335, 94.6206, 97.1712



42.4950, 53.1217, 30.2047



17.7031, 20.1027, 20.4611



0.0000, 0.0000, 0.0000



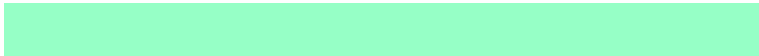
20.3446, 21.4041, 23.3091

Same Dimension

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



37.8217, 50.4171, 43.3361



58.6417, 82.1352, 66.3359



41.3974, 51.8474, 62.1657



11.2777, 12.6208, 13.0200



14.8873, 27.7002, 11.3575



0.8061, 1.4443, 0.7867

Inverse Universe

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



40.3685, 32.4130, 42.6587



63.5062, 47.7317, 65.0305



37.4971, 31.2645, 27.5383



11.4628, 11.3138, 12.9715



17.5182, 8.8179, 10.4474



0.9418, 0.4701, 0.7392

Previews

White Background



This preview shows how the XYZ color 37.8203, 50.4150, 43.3350 looks on a white background.

Color Contrast Check

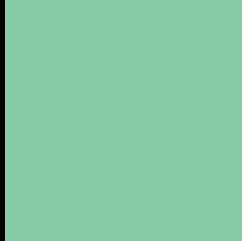
Large Text (above 18pt) WCAG AA × Fail

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 37.8203, 50.4150, 43.3350 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 37.8203, 50.4150, 43.3350

Background



This preview shows how black text looks on a background with the XYZ color 37.8203, 50.4150, 43.3350.

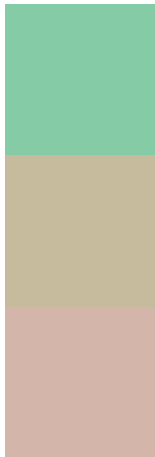


This preview shows how white text looks on a background with the XYZ color 37.8203, 50.4150,

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

37.8203, 50.4150, 43.3350

Protanopia

47.1448, 49.9807, 39.0607

Deuteranopia

50.9309, 49.9471, 44.9866



Tritanopia

42.9513, 50.0730, 69.6886

Trichromacy



Original Color

37.8203, 50.4150, 43.3350



Protanomaly

42.8707, 49.6767, 40.5867



Deuteranomaly

44.7939, 49.2896, 44.1987



Tritanomaly

40.9212, 50.2759, 59.1772

Monochromacy



Original Color

37.8203, 50.4150, 43.3350



Achromatopsia

42.3164, 44.5201, 48.4824



Achromatomaly

40.2134, 46.2392, 46.3407

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.8203, 50.4150, 43.3350 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(133, 203, 165)` looks like.

```
.text, #text, p{  
    color:rgb(133, 203, 165)  
}
```

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(133, 203, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 203, 165) }
```

Border

The CSS property to change the border of an element to XYZ 37.8203, 50.4150, 43.3350 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(133, 203, 165) }
```


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

```
.border{ border-color:rgb(133, 203, 165) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 203, 165)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 203, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 203, 165);  
box-shadow:4px 4px 4px 4px rgb(133, 203,  
165) }
```

Background

The CSS property to change the background color of an element to XYZ 37.8203, 50.4150, 43.3350 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 203, 165) }
```

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

```
.background{ background-color: rgb(133,  
203, 165) }
```

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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