

Converting Colors

XYZ(38.2284, 51.5522, 50.1960)

Have a look what the booklet for
XYZ(38.2284, 51.5522, 50.1960)
contains.

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Color

**XYZ(38.1332, 51.4945,
50.0491)**

Conversions

Conversions Part 1

Format	Color
Hex	7ACEB2
RGB	122, 206, 178
RGB Percent	48%, 81%, 70%
CMY	0.5216, 0.1921, 0.3020
CMYK	0.41, 0.00, 0.14, 0.19
HSL	160°, 46%, 64%
HSV	160°, 41%, 81%
XYZ	38.1332, 51.4945, 50.0491
YIQ	177.6920, -41.0760, -26.5160

Conversions

Conversions Part 2

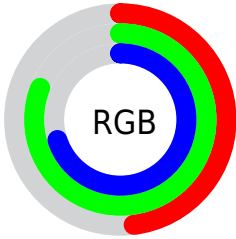
Format	Color
RYB	122, 172, 206
Decimal	8048306
CIELab	76.98, -31.99, 5.96
CIElCh	77, 32.543, 169.455
Yxy	51.4945, 0.2730, 0.3687
Android (android.graphics.Color)	4286238386 (0xFF7ACEB2)
YUV	177.6920, 0.1518, -48.8419
Hunter-Lab	71.7597, -30.7242, 8.8797

Details

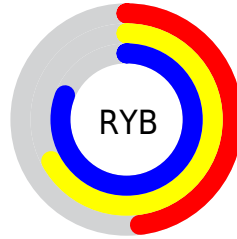
The XYZ color **38.1332, 51.4945, 50.0491** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **37.9199, 29.2442, 32.5022**, and the grayscale version is **42.1701, 44.3662, 48.3148**.

A 20% lighter version of the original color is **68.9714, 86.9255, 90.9850**, and **17.0830, 24.8072, 23.2899** is the 20% darker color. If you saturate the color by 10%, you get **34.8477, 49.8798, 46.3864**, and if you desaturate by 10%, it is **42.0744, 53.4459, 53.9249**.

Distribution



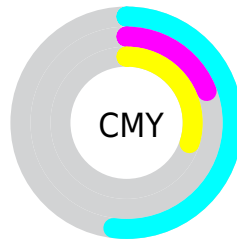
- Red (48%)
- Green (81%)
- Blue (70%)



- Red (48%)
- Yellow (67%)
- Blue (81%)



- Cyan (41%)
- Magenta (0%)
- Yellow (14%)
- Black (19%)





- Cyan (52%)
- Magenta (19%)
- Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.1332, 51.4945, 50.0491 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 38.1332, 51.4945, 50.0491 by changing the saturation by 10% instead.


 38.1332, 51.4945,
50.0491


 38.1332, 51.4945,
50.0491


329.4620,
392.4820, 403.5985


 26.2638, 36.6023,
35.0810


 71.6148, 92.3853,
91.6447

 17.1548, 24.8997,
23.4412


 93.9578, 119.1527,
119.1092

 10.4409, 16.0024,
14.7113


 120.5225,
150.6473, 151.5762

 5.7568, 9.5258,
8.4726

151.6746,
187.2535, 189.4644

 2.7370, 5.0857,
4.3068

187.7792,
229.3557, 233.1921

 1.0163, 2.2976,
1.7951

229.2017,

 0.0000, 0.7725,

277.3382, 283.1780

0.4247

276.3075,
331.5855, 339.8406

■ 0.0000, 0.0000,
0.0000

■ 38.1332, 51.4945,
50.0491

■ 38.1332, 51.4945,
50.0491

■ 34.8477, 49.8798,
46.3864

■ 42.0744, 53.4459,
53.9249

■ 32.1736, 48.5750,
42.9288

■ 46.7033, 55.7465,
58.0146

■ 30.0679, 47.5594,
39.6728


■ 52.0551, 58.4156,
62.3234


■ 28.4799, 46.8068,
36.6132


■ 58.1612, 61.4695,
66.8552


■ 27.3493, 46.2863,
33.7445


■ 65.0512, 64.9232,
71.6137

 26.6114, 45.9601,
31.2605

 72.7529, 68.7911,
76.6028

 77.0496, 70.8993,
81.6273

 78.0115, 71.2841,
86.6928

 79.0116, 71.6842,
91.9594

Harmonies

Analogous

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



40.4313, 51.4945, 36.6724



38.1332, 51.4945, 50.0491



38.5406, 51.4945, 68.2283

Triad

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



38.1332, 51.4945, 50.0491



53.0235, 51.4945, 94.8216



57.1107, 51.4945, 33.9178

Complementary

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



38.1332, 51.4945, 50.0491



37.9199, 29.2442, 32.5022

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.



61.0689, 51.4945, 45.4472



38.1332, 51.4945, 50.0491



58.5748, 51.4945, 81.3233

Square

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



38.1332, 51.4945, 50.0491



46.7943, 51.4945, 96.7840



61.6262, 51.4945, 62.5527



51.1585, 51.4945, 28.7529

Rectangle

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



38.1332, 51.4945, 50.0491



40.3031, 51.4945, 80.6877



61.6262, 51.4945, 62.5527



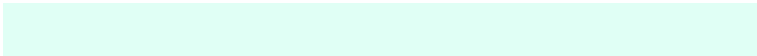
58.7392, 51.4945, 37.0484

Sweetspot

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



38.1346, 51.4966, 50.0503



83.0754, 94.0116, 99.9932



38.4226, 52.1675, 26.4574



17.5261, 19.9948, 21.2021



0.0000, 0.0000, 0.0000



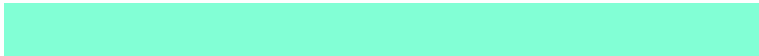
20.3446, 21.4041, 23.3091

Same Dimension

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



38.1346, 51.4966, 50.0503



57.0280, 81.0915, 75.8289



38.3267, 46.9128, 65.4299



11.3781, 12.6610, 13.5484



16.4324, 28.3183, 19.4940



0.8820, 1.4746, 1.1863

Inverse Universe

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



37.9199, 29.2442, 32.5022



56.6471, 40.2057, 43.6549



37.5763, 31.7448, 22.5600



11.3640, 11.2743, 12.4515



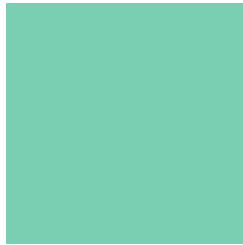
16.3692, 8.3583, 4.3969



0.8796, 0.4453, 0.4120

Previews

White Background



This preview shows how the XYZ color 38.1332, 51.4945, 50.0491 looks on a white background.

Color Contrast Check

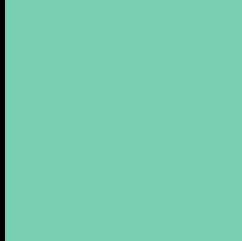
Large Text (above 18pt) WCAG AA × Fail

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 38.1332, 51.4945, 50.0491 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

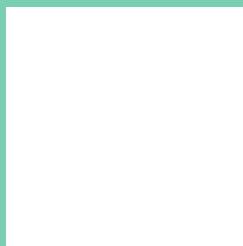
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 38.1332, 51.4945, 50.0491

Background



This preview shows how black text looks on a background with the XYZ color 38.1332, 51.4945, 50.0491.

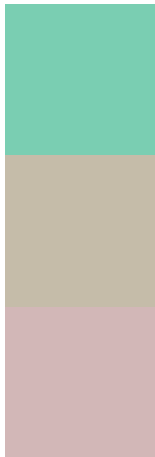


This preview shows how white text looks on a background with the XYZ color 38.1332, 51.4945,

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

38.1332, 51.4945, 50.0491

Protanopia

48.1706, 50.7013, 44.7836

Deuteranopia

52.0591, 50.9875, 51.8975



Tritanopia

42.9267, 51.6886, 73.3601

Trichromacy



Original Color

38.1332, 51.4945, 50.0491

Protanomaly

43.5391, 50.5548, 46.4930

Deuteranomaly

45.3314, 50.0628, 50.9899

Tritanomaly

41.0375, 51.6129, 64.2993

Monochromacy



Original Color

38.1332, 51.4945, 50.0491

Achromatopsia

42.3164, 44.5201, 48.4824

Achromatomaly

40.1197, 46.4499, 48.9707

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.1332, 51.4945, 50.0491 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(122, 206, 178)` looks like.

```
.text, #text, p{  
    color:rgb(122, 206, 178)  
}
```

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(122, 206, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 206, 178) }
```

Border

The CSS property to change the border of an element to XYZ 38.1332, 51.4945, 50.0491 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(122, 206, 178) }
```


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

```
.border{ border-color:rgb(122, 206, 178) }
```

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

Here you see how a box with a 4 pixel `rgb(122, 206, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 206, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 206, 178);  
box-shadow:4px 4px 4px 4px rgb(122, 206,  
178) }
```

Background

The CSS property to change the background color of an element to XYZ 38.1332, 51.4945, 50.0491 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 206, 178) }
```

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

```
.background{ background-color: rgb(122,  
206, 178) }
```

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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