

Converting Colors

XYZ(25.1452, 38.2028, 45.6472)

Have a look what the booklet for
XYZ(25.1452, 38.2028, 45.6472)
contains.

XYZ(25.1017, 38.1349, 45.5729)	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(25.1017, 38.1349,
45.5729)**

Conversions

Conversions Part 1

Format	Color
Hex	00BAAD
RGB	0, 186, 173
RGB Percent	0%, 73%, 68%
CMY	0.9999, 0.2706, 0.3216
CMYK	1.00, 0.00, 0.07, 0.27
HSL	176°, 100%, 36%
HSV	176°, 100%, 73%
XYZ	25.1017, 38.1349, 45.5729
YIQ	128.9040, -106.6830, -43.4750

Conversions

Conversions Part 2

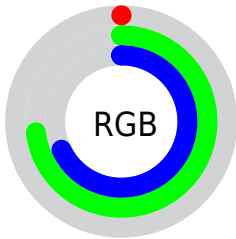
Format	Color
RYB	0, 96, 186
Decimal	47789
CIELab	68.12, -41.79, -4.57
CIELCh	68, 42.042, 186.241
Yxy	38.1349, 0.2307, 0.3505
Android (android.graphics.Color)	4278237869 (0xFF00BAAD)
YUV	128.9040, 21.7393, -113.0488
Hunter-Lab	61.7535, -35.5114, -0.5275

Details

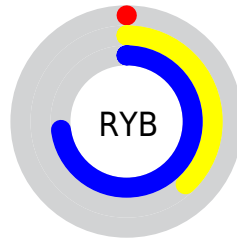
The XYZ color **25.1017, 38.1349, 45.5729** is a dark color, and the websafe version is hex **00CCCC**. A complement of this color would be **20.3236, 10.4693, 1.3315**, and the grayscale version is **20.7894, 21.8721, 23.8187**.

A 20% lighter version of the original color is **51.3097, 72.4119, 84.6714**, and **11.7025, 17.8830, 20.9241** is the 20% darker color. If you saturate the color by 10%, you get **25.1022, 38.1360, 45.5727**, and if you desaturate by 10%, it is **25.4903, 38.3215, 46.2521**.

Distribution



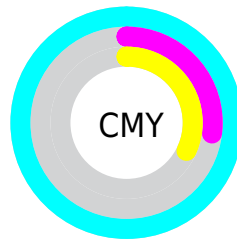
- Red (0%)
- Green (73%)
- Blue (68%)



- Red (0%)
- Yellow (38%)
- Blue (73%)



- Cyan (100%)
- Magenta (0%)
- Yellow (7%)
- Black (27%)





- Cyan (100%)
- Magenta (27%)
- Yellow (32%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 25.1017, 38.1349, 45.5729 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 25.1017, 38.1349, 45.5729 by changing the saturation by 10% instead.


 25.1017, 38.1349,
45.5729


 25.1017, 38.1349,
45.5729


270.6823,
338.1983, 385.3165


 16.2820, 26.0874,
31.5627


 51.2639, 72.3149,
84.9070


 9.8160, 16.8890,
20.7656


 69.3370, 95.2161,
111.0679

 5.3385, 10.1554,
12.7632


 91.2254, 122.5041,
142.1162

 2.4840, 5.5021,
7.1369

 117.2942,
154.5631, 178.4704

 0.8872, 2.5448,
3.4681

 147.9090,
191.7777, 220.5489

 0.0000, 0.8990,
1.3383

183.4351,

 0.0000, 0.0000,

234.5321, 268.7704

0.0929

224.2377,
283.2109, 323.5534

■ 0.0000, 0.0000,
0.0000

■ 25.1017, 38.1349,
45.5729

■ 25.1017, 38.1349,
45.5729

■ 25.1022, 38.1360,
45.5727

■ 25.4903, 38.3215,
46.2521

■ 26.1279, 38.6354,
46.9484

■ 27.1071, 39.1253,
47.6672

■ 28.4732, 39.8145,
48.4106

■ 30.2647, 40.7229,
49.1803

■ 32.5153, 41.8678,
49.9780

■ 35.2555, 43.2649,
50.8051

■ 38.5129, 44.9286,
51.6629

■ 42.3134, 46.8721,
52.5526

Harmonies

Analogous

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



25.8877, 38.1349, 28.6073



25.1017, 38.1349, 45.5729



26.9984, 38.1349, 66.7368

Triad

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



25.1017, 38.1349, 45.5729



44.2225, 38.1349, 77.9853



41.5668, 38.1349, 16.4663

Complementary

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



25.1017, 38.1349, 45.5729



20.3236, 10.4693, 1.3315

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.



47.3957, 38.1349, 23.6246



25.1017, 38.1349, 45.5729



49.0537, 38.1349, 57.8356

Square

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



25.1017, 38.1349, 45.5729



37.6341, 38.1349, 88.7545



50.2798, 38.1349, 37.7194



34.8926, 38.1349, 14.9773

Rectangle

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



25.1017, 38.1349, 45.5729



29.6814, 38.1349, 79.3590



50.2798, 38.1349, 37.7194



43.7136, 38.1349, 18.1556

Sweetspot

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



25.1028, 38.1363, 45.5738



63.6232, 78.2763, 92.0060



17.7654, 35.2251, 5.8637



13.5272, 16.9910, 20.1202



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

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



25.1028, 38.1363, 45.5738



45.4601, 69.1066, 82.4019



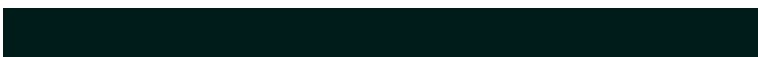
14.2806, 14.3795, 48.4787



9.2388, 10.1995, 11.4151



16.8989, 25.6605, 30.7193



0.6039, 0.9079, 1.1259

Inverse Universe

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



20.3236, 10.4693, 1.3315



36.8045, 18.9618, 2.2479



22.9409, 15.8203, 1.8454



9.0294, 9.0221, 9.5023



13.6831, 7.0470, 0.9518



0.4910, 0.2519, 0.0791

Previews

White Background



This preview shows how the XYZ color 25.1017, 38.1349, 45.5729 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 25.1017, 38.1349, 45.5729 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

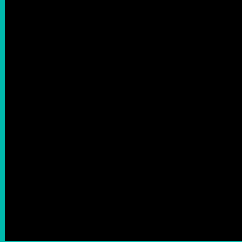
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

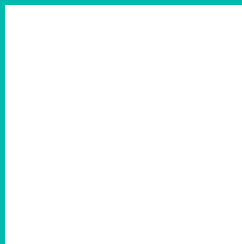
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 25.1017, 38.1349, 45.5729

Background



This preview shows how black text looks on a background with the XYZ color 25.1017, 38.1349, 45.5729.

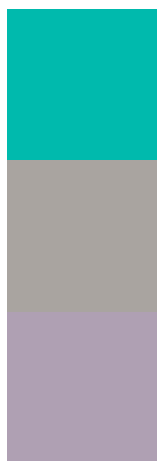


This preview shows how white text looks on a background with the XYZ color 25.1017, 38.1349,

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

25.1017, 38.1349, 45.5729

Protanopia

35.9828, 37.5240, 38.6041

Deuteranopia

38.3867, 37.5102, 47.8648



Tritanopia

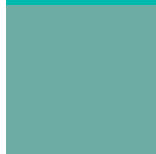
27.8447, 38.0226, 58.6948

Trichromacy



Original Color

25.1017, 38.1349, 45.5729



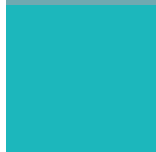
Protanomaly

27.7284, 35.4098, 40.9706



Deuteranomaly

28.6793, 34.9298, 46.8255



Tritanomaly

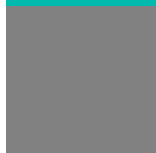
26.4895, 37.7447, 53.4663

Monochromacy



Original Color

25.1017, 38.1349, 45.5729



Achromatopsia

20.8660, 21.9526, 23.9064



Achromatomaly

19.4969, 25.6509, 30.7116

CSS Examples

Text

The CSS property to change the color of the text to XYZ 25.1017, 38.1349, 45.5729 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(0, 186, 173)` looks like.

```
.text, #text, p{  
    color:rgb(0, 186, 173)  
}
```

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(0, 186, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 186, 173) }
```

Border

The CSS property to change the border of an element to XYZ 25.1017, 38.1349, 45.5729 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(0, 186, 173) }
```


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

```
.border{ border-color:rgb(0, 186, 173) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 186, 173)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 186, 173); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 186, 173);  
box-shadow:4px 4px 4px 4px rgb(0, 186,  
173) }
```

Background

The CSS property to change the background color of an element to XYZ 25.1017, 38.1349, 45.5729 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 186, 173) }
```

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

```
.background{ background-color: rgb(0, 186,  
173) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor