

Converting Colors

XYZ(20.2608, 35.8932, 45.1348)

Have a look what the booklet for
XYZ(20.2608, 35.8932, 45.1348)
contains.

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Color

**XYZ(25.2167, 38.5192,
45.1356)**

Conversions

Conversions Part 1

Format	Color
Hex	00BBAC
RGB	0, 187, 172
RGB Percent	0%, 73%, 67%
CMY	0.9999, 0.2667, 0.3255
CMYK	1.00, 0.00, 0.08, 0.27
HSL	175°, 100%, 37%
HSV	175°, 100%, 73%
XYZ	25.2167, 38.5192, 45.1356
YIQ	129.3770, -106.6370, -44.3090

Conversions

Conversions Part 2

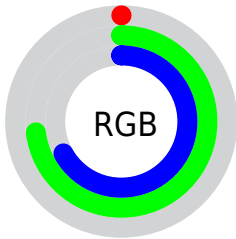
Format	Color
RYB	0, 97, 187
Decimal	48044
CIELab	68.40, -42.52, -3.60
CIELCh	68, 42.670, 184.846
Yxy	38.5192, 0.2316, 0.3538
Android (android.graphics.Color)	4278238124 (0xFF00BBAC)
YUV	129.3770, 21.0131, -113.4636
Hunter-Lab	62.0638, -36.0867, 0.3263

Details

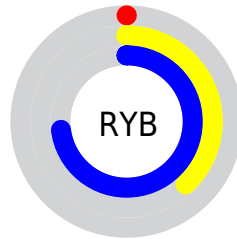
The XYZ color **25.2167, 38.5192, 45.1356** is a dark color, and the websafe version is hex **00CCCC**. A complement of this color would be **20.5810, 10.6004, 1.4145**, and the grayscale version is **20.9574, 22.0488, 24.0112**.

A 20% lighter version of the original color is **51.4713, 72.9567, 84.0423**, and **11.7777, 18.1311, 20.6482** is the 20% darker color. If you saturate the color by 10%, you get **25.2172, 38.5204, 45.1353**, and if you desaturate by 10%, it is **25.6257, 38.7142, 45.9122**.

Distribution



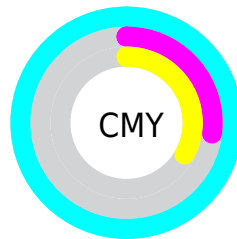
- Red (0%)
- Green (73%)
- Blue (67%)



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



- Cyan (100%)
- Magenta (0%)
- Yellow (8%)
- Black (27%)





- Cyan (100%)
- Magenta (27%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 25.2167, 38.5192, 45.1356 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 25.2167, 38.5192, 45.1356 by changing the saturation by 10% instead.


 25.2167, 38.5192,
45.1356


 25.2167, 38.5192,
45.1356


271.2432,
339.8420, 383.4986


 16.3682, 26.3859,
31.2205

 51.4489, 72.9032,
84.2445


 9.8775, 17.1126,
20.5070


 69.5633, 95.9228,
110.2753


 5.3795, 10.3148,
12.5764


 91.4971, 123.3398,
141.1819

 2.5086, 5.6082,
7.0102

 117.6155,
155.5388, 177.3826

 0.8996, 2.6083,
3.3899

 148.2839,
192.9042, 219.2961

 0.0000, 0.9308,
1.2970

183.8678,

 0.0000, 0.0000,

235.8202, 267.3409

0.0593

224.7324,
284.6713, 321.9356

■ 0.0000, 0.0000,
0.0000

■ 25.2167, 38.5192,
45.1356

■ 25.2167, 38.5192,
45.1356

■ 25.2172, 38.5204,
45.1353

■ 25.6257, 38.7142,
45.9122

■ 26.2875, 39.0384,
46.7082

■ 27.2954, 39.5409,
47.5290

■ 28.6956, 40.2454,
48.3767

■ 30.5268, 41.1719,
49.2532

■ 32.8234, 42.3382,
50.1602

■ 35.6162, 43.7600,
51.0989

■ 38.9332, 45.4519,
52.0710

■ 42.8007, 47.4274,
53.0774

Harmonies

Analogous

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



26.1447, 38.5192, 28.1322



25.2167, 38.5192, 45.1356



27.0239, 38.5192, 66.7505

Triad

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



25.2167, 38.5192, 45.1356



44.4764, 38.5192, 80.0907



42.3645, 38.5192, 16.6248

Complementary

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



25.2167, 38.5192, 45.1356



20.5810, 10.6004, 1.4145

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.



48.2342, 38.5192, 24.1949



25.2167, 38.5192, 45.1356



49.5540, 38.5192, 59.6585

Square

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



25.2167, 38.5192, 45.1356



37.7105, 38.5192, 90.4906



51.0064, 38.5192, 38.9005



35.5338, 38.5192, 14.8734

Rectangle

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



25.2167, 38.5192, 45.1356



29.6836, 38.5192, 79.9159



51.0064, 38.5192, 38.9005



44.5409, 38.5192, 18.4296

Sweetspot

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



25.2178, 38.5207, 45.1365



63.5137, 78.2325, 91.4293



17.9782, 35.6487, 5.9342



13.4999, 16.9801, 19.9761



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.



25.2178, 38.5207, 45.1365



45.1207, 68.9708, 80.6148



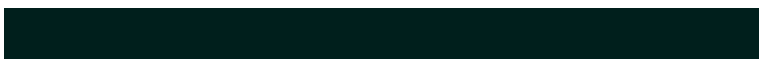
14.4494, 14.5463, 49.0614



9.7747, 10.7960, 12.0628



17.3868, 26.5450, 31.1635



0.6909, 1.0437, 1.2728

Inverse Universe

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



20.5810, 10.6004, 1.4145



36.8251, 18.9700, 2.3565



23.2142, 16.0048, 1.8666



9.5604, 9.5485, 10.0741



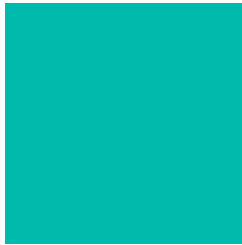
14.1909, 7.3075, 1.0327



0.5666, 0.2905, 0.0967

Previews

White Background



This preview shows how the XYZ color 25.2167, 38.5192, 45.1356 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 25.2167, 38.5192, 45.1356 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

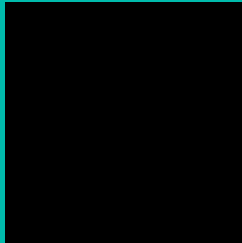
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

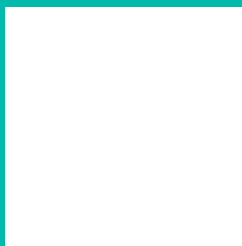
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 25.2167, 38.5192, 45.1356

Background



This preview shows how black text looks on a background with the XYZ color 25.2167, 38.5192, 45.1356.

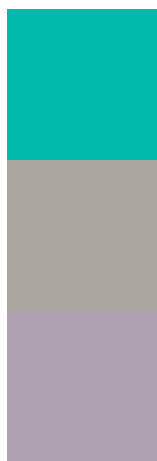


This preview shows how white text looks on a background with the XYZ color 25.2167, 38.5192,

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

25.2167, 38.5192, 45.1356

Protanopia

36.2907, 37.9595, 38.2151

Deuteranopia

38.6852, 37.9342, 47.4026



Tritanopia

28.2087, 38.5021, 59.3710

Trichromacy



Original Color

25.2167, 38.5192, 45.1356



Protanomaly

27.8288, 35.7556, 40.5568



Deuteranomaly

28.8933, 35.3288, 46.3706



Tritanomaly

26.8325, 38.2163, 54.1064

Monochromacy



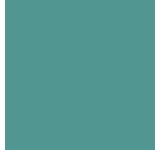
Original Color

25.2167, 38.5192, 45.1356



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 25.2167, 38.5192, 45.1356 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, 187, 172)` looks like.

```
.text, #text, p{  
    color:rgb(0, 187, 172)  
}
```

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, 187, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 187, 172) }
```

Border

The CSS property to change the border of an element to XYZ 25.2167, 38.5192, 45.1356 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, 187, 172) }
```


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

```
.border{ border-color:rgb(0, 187, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 187, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 187, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 187, 172);  
box-shadow:4px 4px 4px 4px rgb(0, 187,  
172) }
```

Background

The CSS property to change the background color of an element to XYZ 25.2167, 38.5192, 45.1356 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 187, 172) }
```

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

```
.background{ background-color: rgb(0, 187,  
172) }
```

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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