

Converting Colors

XYZ(25.1317, 38.9268, 29.7947)

Have a look what the booklet for
XYZ(25.1317, 38.9268, 29.7947)
contains.

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Color

**XYZ(25.0333, 38.7633,
29.8296)**

Conversions

Conversions Part 1	
Format	Color
Hex	49BB89
RGB	73, 187, 137
RGB Percent	29%, 73%, 54%
CMY	0.7137, 0.2667, 0.4627
CMYK	0.61, 0.00, 0.27, 0.27
HSL	154°, 46%, 51%
HSV	154°, 61%, 73%
XYZ	25.0333, 38.7633, 29.8296
YIQ	147.2140, -51.8940, -39.7180

Conversions

Conversions Part 2

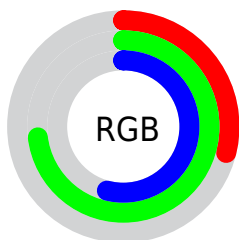
Format	Color
RYB	73, 146, 187
Decimal	4832137
CIELab	68.58, -44.07, 15.93
CIELCh	69, 46.857, 160.123
Yxy	38.7633, 0.2674, 0.4140
Android (android.graphics.Color)	4283022217 (0xFF49BB89)
YUV	147.2140, -5.0355, -65.0857
Hunter-Lab	62.2602, -37.1848, 15.1756

Details

The XYZ color **25.0333, 38.7633, 29.8296** is a dark color, and the websafe version is hex **66CC99**. A complement of this color would be **26.4524, 16.7607, 20.5810**, and the grayscale version is **27.8581, 29.3089, 31.9174**.

A 20% lighter version of the original color is **51.2704, 73.3685, 60.7495**, and **10.1078, 17.4632, 11.8548** is the 20% darker color. If you saturate the color by 10%, you get **23.2578, 37.9144, 26.7915**, and if you desaturate by 10%, it is **27.2816, 39.8528, 33.1250**.

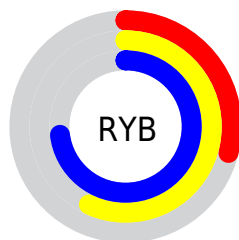
Distribution



Red (29%)

Green (73%)

Blue (54%)



Red (29%)

Yellow (57%)

Blue (73%)

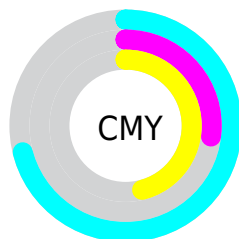


Cyan (61%)

Magenta (0%)

Yellow (27%)

Black (27%)



Cyan (71%)


Magenta (27%)


Yellow (46%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 25.0333, 38.7633, 29.8296 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 25.0333, 38.7633, 29.8296 by changing the saturation by 10% instead.


 25.0333, 38.7633,
29.8296


 25.0333, 38.7633,
29.8296


270.3483,
340.8831, 315.2919


 16.2307, 26.5756,
19.4583


 51.1537, 73.2766,
60.4504


 9.7795, 17.2548,
11.8218


 69.2023, 96.3710,
81.5370


 5.3141, 10.4163,
6.5014


 91.0636, 123.8698,
107.0325

 2.4694, 5.6758,
3.0786

 117.1030,
156.1573, 137.3554

 0.8798, 2.6490,
1.1349

 147.6858,
193.6180, 172.9243

 0.0000, 0.9514,
0.0000


183.1774,


 0.0000, 0.0000,

236.6363, 214.1576


0.0000


223.9431,
285.5965, 261.4740


 25.0333, 38.7633,
29.8296

 25.0333, 38.7633,
29.8296


 23.2578, 37.9144,
26.7915


 27.2816, 39.8528,
33.1250


 21.9113, 37.2807,
24.0011


 30.0350, 41.1963,
36.6817


 20.9472, 36.8391,
21.4516


 33.3267, 42.8120,
40.5070

 20.3200, 36.5617,
19.3461


 37.1860, 44.7148,
44.6070

 41.6398, 46.9185,
48.9874

 46.7136, 49.4361,
53.6539

 52.4311, 52.2797,
58.6120

 58.8148, 55.4610,
63.8669

 65.8862, 58.9908,
69.4238

Harmonies

Analogous

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



28.4259, 38.7633, 18.1138



25.0333, 38.7633, 29.8296



24.5532, 38.7633, 49.7688

Triad

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



25.0333, 38.7633, 29.8296



39.3970, 38.7633, 96.2637



48.8089, 38.7633, 21.0422

Complementary

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



25.0333, 38.7633, 29.8296



26.4524, 16.7607, 20.5810

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.



52.6725, 38.7633, 35.4521



25.0333, 38.7633, 29.8296



46.7774, 38.7633, 81.5874

Square

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



25.0333, 38.7633, 29.8296



32.2212, 38.7633, 93.1943



51.8830, 38.7633, 57.6063



41.8877, 38.7633, 14.3423

Rectangle

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



25.0333, 38.7633, 29.8296



25.8711, 38.7633, 66.0942



51.8830, 38.7633, 57.6063



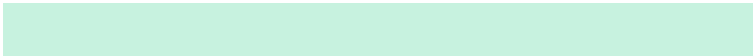
50.5476, 38.7633, 24.9041

Sweetspot

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



25.0343, 38.7649, 29.8305



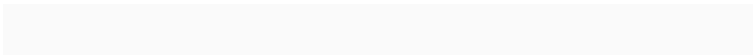
68.6218, 81.0812, 81.9337



27.3297, 40.3309, 12.6479



14.6239, 17.6144, 17.5498



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.



25.0343, 38.7649, 29.8305



40.7966, 67.4962, 46.3255



28.3034, 38.1758, 52.8926



9.6270, 10.7369, 11.2852



14.0369, 25.2050, 13.5229



0.5822, 1.0002, 0.7001

Inverse Universe

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



26.4524, 16.7607, 20.5810



43.5734, 24.7314, 28.4524



24.4716, 16.5954, 8.2171



9.6993, 9.6040, 10.8055



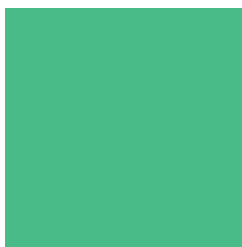
15.2051, 7.7132, 6.3737



0.6285, 0.3153, 0.4229

Previews

White Background



This preview shows how the XYZ color 25.0333, 38.7633, 29.8296 looks on a white background.

Color Contrast Check

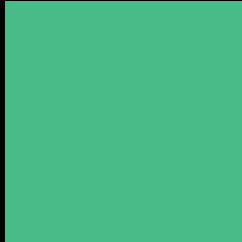
Large Text (above 18pt) WCAG AA × Fail

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 25.0333, 38.7633, 29.8296 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 25.0333, 38.7633, 29.8296

Background



This preview shows how black text looks on a background with the XYZ color 25.0333, 38.7633, 29.8296.



This preview shows how white text looks on a background with the XYZ color 25.0333, 38.7633,

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

25.0333, 38.7633, 29.8296

Protanopia

35.5984, 38.1519, 25.5665

Deuteranopia

38.7639, 38.0719, 31.2921



Tritanopia

30.4725, 38.8129, 56.9245

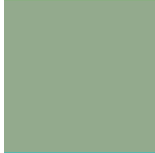
Trichromacy



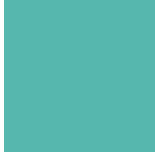
Original Color
25.0333, 38.7633, 29.8296



Protanomaly
29.8802, 37.3998, 27.1167



Deuteranomaly
31.2151, 36.8756, 30.6718



Tritanomaly
28.2226, 38.8154, 45.5398

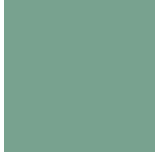
Monochromacy



Original Color
25.0333, 38.7633, 29.8296



Achromatopsia
27.7328, 29.1771, 31.7738



Achromatomaly
25.6240, 31.8169, 30.7773

CSS Examples

Text

The CSS property to change the color of the text to XYZ 25.0333, 38.7633, 29.8296 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(73, 187, 137)` looks like.

```
.text, #text, p{  
    color:rgb(73, 187, 137)  
}
```

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(73, 187, 137) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(73, 187, 137) }
```

Border

The CSS property to change the border of an element to XYZ 25.0333, 38.7633, 29.8296 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(73, 187, 137) }
```


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

```
.border{ border-color:rgb(73, 187, 137) }
```

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

Here you see how a box with a 4 pixel `rgb(73, 187, 137)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(73, 187, 137); -webkit-box-  
shadow:4px 4px 4px 4px rgb(73, 187, 137);  
box-shadow:4px 4px 4px 4px rgb(73, 187,  
137) }
```

Background

The CSS property to change the background color of an element to XYZ 25.0333, 38.7633, 29.8296 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(73, 187, 137) }
```

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

```
.background{ background-color: rgb(73, 187,  
137) }
```

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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