

Converting Colors

XYZ(38.7311, 62.3756, 57.1627)

Have a look what the booklet for
XYZ(38.7311, 62.3756, 57.1627)
contains.

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Color

**XYZ(38.5605, 62.0987,
56.9676)**

Conversions

Conversions Part 1

Format	Color
Hex	1BE9BB
RGB	27, 233, 187
RGB Percent	11%, 91%, 73%
CMY	0.8941, 0.0863, 0.2667
CMYK	0.88, 0.00, 0.20, 0.09
HSL	167°, 82%, 51%
HSV	167°, 88%, 91%
XYZ	38.5605, 62.0987, 56.9676
YIQ	166.1620, -108.0100, -57.9780

Conversions

Conversions Part 2

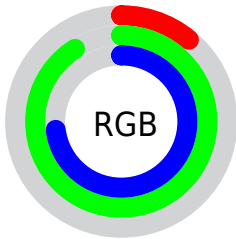
Format	Color
R_{YB}	27, 143, 233
Decimal	1829307
CIE _{Lab}	82.97, -56.43, 9.47
CIE _{LCh}	83, 57.222, 170.471
Yxy	62.0987, 0.2446, 0.3940
Android (android.graphics.Color)	4280019387 (0xFF1BE9BB)
YUV	166.1620, 10.2731, -122.0451
Hunter-Lab	78.8027, -50.5595, 12.3003

Details

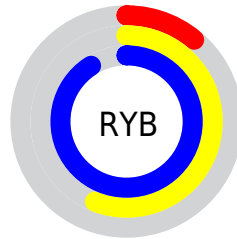
The XYZ color **38.5605, 62.0987, 56.9676** is a dark color, and the websafe version is hex **33FFCC**. The color can be described as middle washed spring green. A complement of this color would be **35.2009, 18.5901, 8.0393**, and the grayscale version is **36.3161, 38.2074, 41.6078**.

A 20% lighter version of the original color is **59.1401, 81.7041, 97.4475**, and **19.8284, 32.7719, 27.8348** is the 20% darker color. If you saturate the color by 10%, you get **37.6092, 61.6730, 54.0687**, and if you desaturate by 10%, it is **40.0082, 62.7810, 59.9979**.

Distribution



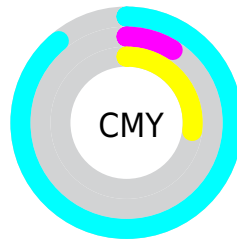
- Red (11%)
- Green (91%)
- Blue (73%)



- Red (11%)
- Yellow (56%)
- Blue (91%)



- Cyan (88%)
- Magenta (0%)
- Yellow (20%)
- Black (9%)





- Cyan (89%)
- Magenta (9%)
- Yellow (27%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.5605, 62.0987, 56.9676 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 38.5605, 62.0987, 56.9676 by changing the saturation by 10% instead.


 38.5605, 62.0987,
56.9676


 38.5605, 62.0987,
56.9676


331.2577,
432.2910, 430.8182


 26.5972, 45.1125,
40.5700


 72.2648, 107.8682,
101.9178

 17.4059, 31.5460,
27.6661


 94.7365, 137.4202,
131.3075


 10.6214, 21.0150,
17.8373


 121.4417,
171.9296, 165.8650

 5.8783, 13.1349,
10.6650

 152.7458,
211.7807, 206.0088

 2.8112, 7.5215,
5.7307

 189.0140,
257.3581, 252.1575

 1.0547, 3.7904,
2.6159

230.6119,

 0.0000, 1.5570,

309.0460, 304.7296

0.9007

277.9047,
367.2288, 364.1437

■ 0.0000, 0.3283,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 38.5605, 62.0987,
56.9676

■ 38.5605, 62.0987,
56.9676

■ 37.6092, 61.6730,
54.0687

■ 40.0082, 62.7810,
59.9979

■ 37.4773, 61.6149,
53.6169

■ 42.0595, 63.7706,
63.1615

■ 44.7942, 65.1101,
66.4646

■ 48.2783, 66.8335,
69.9115

■ 52.5701, 68.9709,
73.5057

■ 57.7219, 71.5492,
77.2508

■ 63.7815, 74.5930,
81.1501

■ 70.7933, 78.1252,
85.2065

■ 78.7985, 82.1670,
89.4231

Harmonies

Analogous

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



42.5327, 62.0987, 32.9030



38.5605, 62.0987, 56.9676



39.4499, 62.0987, 94.3054

Triad

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



38.5605, 62.0987, 56.9676



67.7259, 62.0987, 153.4631



75.4679, 62.0987, 27.5481

Complementary

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



38.5605, 62.0987, 56.9676



35.2009, 18.5901, 8.0393

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.



84.1889, 62.0987, 46.5052



38.5605, 62.0987, 56.9676



79.3042, 62.0987, 120.8090

Square

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



38.5605, 62.0987, 56.9676



55.1776, 62.0987, 159.3349



85.6832, 62.0987, 79.5126



63.0429, 62.0987, 20.2698

Rectangle

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



38.5605, 62.0987, 56.9676



42.7349, 62.0987, 122.0758



85.6832, 62.0987, 79.5126



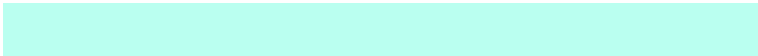
78.9987, 62.0987, 32.3754

Sweetspot

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



38.5622, 62.1011, 56.9691



71.7186, 88.2469, 95.3991



32.2458, 59.8582, 10.8921



14.8498, 18.6373, 20.0755



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.



38.5622, 62.1011, 56.9691



45.9591, 75.5997, 65.6279



31.0959, 37.9867, 82.7868



15.3653, 17.0610, 18.6067



21.3133, 34.9798, 30.6788



1.7090, 2.7609, 2.5951

Inverse Universe

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



35.2009, 18.5901, 8.0393



41.9772, 21.5549, 5.8121



36.8167, 23.4298, 3.6198



15.2032, 15.1091, 16.3554



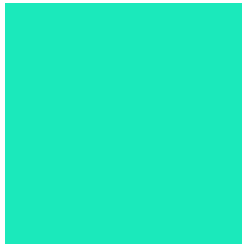
19.4582, 9.9860, 2.9482



1.5634, 0.7983, 0.4182

Previews

White Background



This preview shows how the XYZ color 38.5605, 62.0987, 56.9676 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 38.5605, 62.0987, 56.9676 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

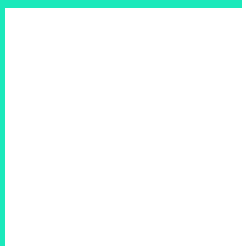
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 38.5605, 62.0987, 56.9676

Background



This preview shows how black text looks on a background with the XYZ color 38.5605, 62.0987, 56.9676.

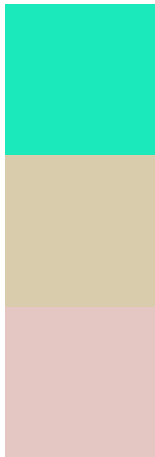


This preview shows how white text looks on a background with the XYZ color 38.5605, 62.0987,

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

38.5605, 62.0987, 56.9676

Protanopia

57.3582, 60.7632, 47.7351

Deuteranopia

62.0393, 60.8223, 60.0998



Tritanopia

46.0784, 61.8379, 95.0953

Trichromacy



Original Color

38.5605, 62.0987, 56.9676



Protanomaly

44.2689, 57.9782, 50.4527



Deuteranomaly

46.3263, 57.3629, 58.4997



Tritanomaly

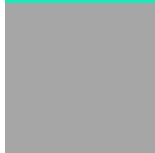
42.7500, 61.6844, 79.4652

Monochromacy



Original Color

38.5605, 62.0987, 56.9676



Achromatopsia

36.2450, 38.1326, 41.5264



Achromatomaly

33.1237, 43.5277, 46.7003

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.5605, 62.0987, 56.9676 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(27, 233, 187)` looks like.

```
.text, #text, p{  
    color:rgb(27, 233, 187)  
}
```

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(27, 233, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(27, 233, 187) }
```

Border

The CSS property to change the border of an element to XYZ 38.5605, 62.0987, 56.9676 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(27, 233, 187) }
```


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

```
.border{ border-color:rgb(27, 233, 187) }
```

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

Here you see how a box with a 4 pixel rgb(27, 233, 187) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(27, 233, 187); -webkit-box-  
shadow:4px 4px 4px 4px rgb(27, 233, 187);  
box-shadow:4px 4px 4px 4px rgb(27, 233,  
187) }
```

Background

The CSS property to change the background color of an element to XYZ 38.5605, 62.0987, 56.9676 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(27, 233, 187) }
```

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

```
.background{ background-color: rgb(27, 233,  
187) }
```

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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