

Converting Colors

XYZ(27.0530, 38.4037, 50.7866)

Have a look what the booklet for
XYZ(27.0530, 38.4037, 50.7866)
contains.

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Color

**XYZ(27.0530, 38.4037,
50.7866)**

Conversions

Conversions Part 1

Format	Color
Hex	33B8B7
RGB	51, 184, 183
RGB Percent	20%, 72%, 72%
CMY	0.8000, 0.2784, 0.2823
CMYK	0.72, 0.00, 0.01, 0.28
HSL	180°, 57%, 46%
HSV	180°, 72%, 72%
XYZ	27.0530, 38.4037, 50.7866
YIQ	144.1190, -78.9470, -28.5070

Conversions

Conversions Part 2

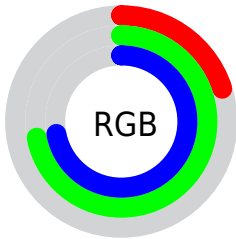
Format	Color
R_{YB}	51, 118, 184
Decimal	3389623
CIE _{Lab}	68.32, -34.54, -9.73
CIE _{LCh}	68, 35.882, 195.735
Yxy	38.4037, 0.2327, 0.3304
Android (android.graphics.Color)	4281579703 (0xFF33B8B7)
YUV	144.1190, 19.1683, -81.6654
Hunter-Lab	61.9707, -30.5255, -5.2102

Details

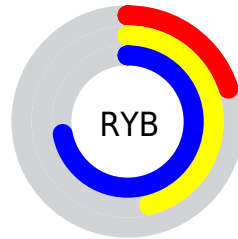
The XYZ color **27.0530, 38.4037, 50.7866** is a dark color, and the websafe version is hex **33CCCC**. A complement of this color would be **21.5721, 12.8072, 4.5851**, and the grayscale version is **26.5067, 27.8871, 30.3691**.

A 20% lighter version of the original color is **54.5065, 72.9941, 92.8778**, and **12.0119, 17.5770, 23.8787** is the 20% darker color. If you saturate the color by 10%, you get **26.2888, 38.0122, 50.6764**, and if you desaturate by 10%, it is **28.1863, 38.9871, 50.9158**.

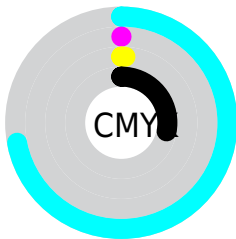
Distribution



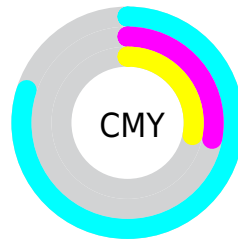
- Red (20%)
- Green (72%)
- Blue (72%)



- Red (20%)
- Yellow (46%)
- Blue (72%)



- Cyan (72%)
- Magenta (0%)
- Yellow (1%)
- Black (28%)



- Cyan (80%)
- Magenta (28%)
- Yellow (28%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.0530, 38.4037, 50.7866 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 27.0530, 38.4037, 50.7866 by changing the saturation by 10% instead.

■ 27.0530, 38.4037,
50.7866

■ 27.0530, 38.4037,
50.7866

280.0765,
339.3486, 406.5570

■ 17.7498, 26.2962,
35.6633

■ 54.3882, 72.7265,
92.7475

■ 10.8691, 17.0453,
23.8866

■ 73.1509, 95.7105,
120.4222

■ 6.0455, 10.2668,
15.0381

■ 95.7975, 123.0888,
153.1177

■ 2.9137, 5.5762,
8.6992

■ 122.6934,
155.2458, 191.2526

■ 1.1083, 2.5892,
4.4514

■ 154.2039,
192.5659, 235.2454

■ 0.0320, 0.9212,
1.8761

190.6943,

■ 0.0000, 0.0000,

235.4335, 285.5148

0.4775

232.5301,
284.2329, 342.4791

■ 0.0000, 0.0000,
0.0000

■ 27.0530, 38.4037,
50.7866

■ 27.0530, 38.4037,
50.7866

■ 26.2888, 38.0122,
50.6764

■ 28.1863, 38.9871,
50.9158

■ 25.8440, 37.7846,
50.5805

■ 29.7238, 39.7781,
51.0632

■ 25.6485, 37.6851,
50.5133

■ 31.7006, 40.7955,
51.2312

■ 34.1469, 42.0549,
51.4212

■ 37.0903, 43.5706,
51.6346

■ 40.5561, 45.3556,
51.8725

■ 44.5682, 47.4223,
52.1360

■ 49.1488, 49.7820,
52.4262

■ 54.3188, 52.4455,
52.7441

Harmonies

Analogous

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



26.9942, 38.4037, 34.6404



27.0530, 38.4037, 50.7866



29.4636, 38.4037, 68.1383

Triad

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



27.0530, 38.4037, 50.7866



44.8041, 38.4037, 67.3631



39.2308, 38.4037, 18.4130

Complementary

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



27.0530, 38.4037, 50.7866



21.5721, 12.8072, 4.5851

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.



44.5795, 38.4037, 23.3303



27.0530, 38.4037, 50.7866



48.0141, 38.4037, 49.9178

Square

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



27.0530, 38.4037, 50.7866



39.5127, 38.4037, 79.2584



47.9279, 38.4037, 33.9677



33.6474, 38.4037, 18.5323

Rectangle

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



27.0530, 38.4037, 50.7866



32.2365, 38.4037, 76.8705



47.9279, 38.4037, 33.9677



41.1272, 38.4037, 19.4630

Sweetspot

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



27.0542, 38.4051, 50.7875



67.1818, 78.9541, 93.5950



19.2189, 35.2843, 8.9306



14.1553, 16.8521, 20.1539



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

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



27.0542, 38.4051, 50.7875



47.0935, 68.6182, 91.7514



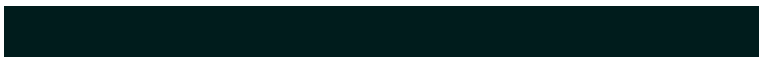
16.7009, 17.5311, 47.8526



9.2637, 10.2095, 11.5460



17.6774, 25.9719, 34.8189



0.6241, 0.9160, 1.2324

Inverse Universe

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



21.5721, 12.8072, 4.5851



36.5984, 19.5695, 3.2675



26.5294, 22.7574, 6.1274



9.0073, 9.0133, 9.3858



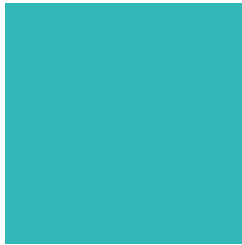
13.6298, 7.0257, 0.6714



0.4814, 0.2480, 0.0286

Previews

White Background



This preview shows how the XYZ color 27.0530, 38.4037, 50.7866 looks on a white background.

Color Contrast Check

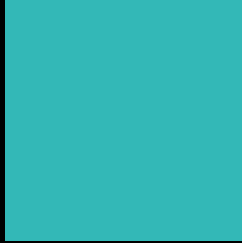
Large Text (above 18pt) WCAG AA × Fail

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 27.0530, 38.4037, 50.7866 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

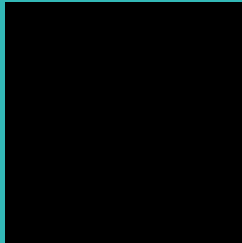
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

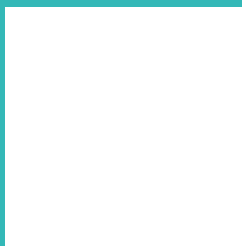
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 27.0530, 38.4037, 50.7866

Background



This preview shows how black text looks on a background with the XYZ color 27.0530, 38.4037, 50.7866.

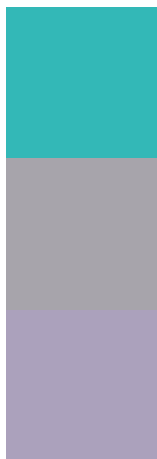


This preview shows how white text looks on a background with the XYZ color 27.0530, 38.4037,

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

27.0530, 38.4037, 50.7866

Protanopia

36.5625, 37.7067, 43.8791

Deuteranopia

38.6166, 37.7785, 52.8336



Tritanopia

28.6695, 38.4478, 58.7334

Trichromacy



Original Color

27.0530, 38.4037, 50.7866



Protanomaly

30.7582, 36.5809, 45.9971



Deuteranomaly

31.8033, 36.4331, 51.8105



Tritanomaly

28.1353, 38.5426, 55.8258

Monochromacy



Original Color

27.0530, 38.4037, 50.7866



Achromatopsia

26.5089, 27.8894, 30.3716



Achromatomaly

25.0001, 30.5799, 36.9326

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.0530, 38.4037, 50.7866 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(51, 184, 183)` looks like.

```
.text, #text, p{  
    color:rgb(51, 184, 183)  
}
```

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(51, 184, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 184, 183) }
```

Border

The CSS property to change the border of an element to XYZ 27.0530, 38.4037, 50.7866 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(51, 184, 183) }
```


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

```
.border{ border-color:rgb(51, 184, 183) }
```

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

Here you see how a box with a 4 pixel `rgb(51, 184, 183)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 184, 183); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 184, 183);  
box-shadow:4px 4px 4px 4px rgb(51, 184,  
183) }
```

Background

The CSS property to change the background color of an element to XYZ 27.0530, 38.4037, 50.7866 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 184, 183) }
```

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

```
.background{ background-color: rgb(51, 184,  
183) }
```

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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