

Converting Colors

XYZ(14.1796, 30.4623, 26.8883)

Have a look what the booklet for
XYZ(14.1796, 30.4623, 26.8883)
contains.

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Color

**XYZ(20.0853, 33.5067,
27.2386)**

Conversions

Conversions Part 1

Format	Color
Hex	00B284
RGB	0, 178, 132
RGB Percent	0%, 70%, 52%
CMY	0.9999, 0.3020, 0.4823
CMYK	1.00, 0.00, 0.26, 0.30
HSL	164°, 100%, 35%
HSV	164°, 100%, 70%
XYZ	20.0853, 33.5067, 27.2386
YIQ	119.5340, -91.3220, -52.0420

Conversions

Conversions Part 2

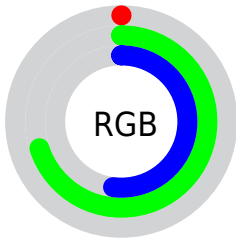
Format	Color
RYB	0, 102, 178
Decimal	45700
CIELab	64.57, -49.46, 12.89
CIELCh	65, 51.116, 165.391
Yxy	33.5067, 0.2485, 0.4145
Android (android.graphics.Color)	4278235780 (0xFF00B284)
YUV	119.5340, 6.1457, -104.8313
Hunter-Lab	57.8850, -39.3616, 12.6197

Details

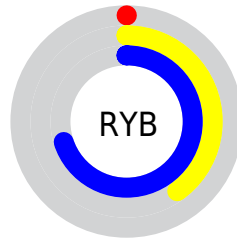
The XYZ color **20.0853, 33.5067, 27.2386** is a dark color, and the websafe version is hex **33CC99**. A complement of this color would be **18.8546, 9.6633, 3.4589**, and the grayscale version is **17.7086, 18.6308, 20.2890**.

A 20% lighter version of the original color is **43.1846, 65.3523, 56.2371**, and **8.7306, 15.0245, 10.4225** is the 20% darker color. If you saturate the color by 10%, you get **20.0855, 33.5077, 27.2370**, and if you desaturate by 10%, it is **20.6540, 33.7635, 28.9460**.

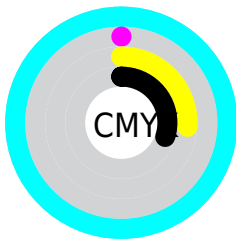
Distribution



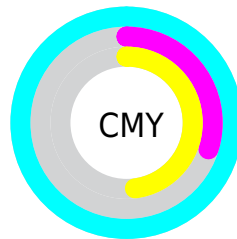
- Red (0%)
- Green (70%)
- Blue (52%)



- Red (0%)
- Yellow (40%)
- Blue (70%)



- Cyan (100%)
- Magenta (0%)
- Yellow (26%)
- Black (30%)





- Cyan (100%)
- Magenta (30%)
- Yellow (48%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.0853, 33.5067, 27.2386 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 20.0853, 33.5067, 27.2386 by changing the saturation by 10% instead.


 20.0853, 33.5067,
27.2386


 20.0853, 33.5067,
27.2386


245.2013,
317.9268, 302.6072


 12.5657, 22.5149,
17.5185


 43.0630, 65.1658,
56.2749


 7.2051, 14.2357,
10.4390


 59.2518, 86.6019,
76.4281


 3.6382, 8.2848,
5.5816


 79.0610, 112.2882,
100.8962

 1.4995, 4.2777,
2.5277

 102.8561,
142.6091, 130.0976

 0.3255, 1.8301,
0.8548

 131.0023,
177.9491, 164.4508

 0.0000, 0.5058,
0.0000

 163.8650,

 0.0000, 0.0000,

218.6924, 204.3745

0.0000

201.8095,
265.2235, 250.2871

■ 20.0853, 33.5067,
27.2386

■ 20.0853, 33.5067,
27.2386

■ 20.0855, 33.5077,
27.2370

■ 20.6540, 33.7635,
28.9460

■ 21.4583, 34.1394,
30.7372

■ 22.5847, 34.6796,
32.6177

■ 24.0737, 35.4051,
34.5903

■ 25.9601, 36.3338,
36.6576

■ 28.2743, 37.4812,
38.8217

■ 31.0435, 38.8616,
41.0849

■ 34.2931, 40.4879,
43.4490

■ 38.0461, 42.3719,
45.9160

Harmonies

Analogous

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



22.8481, 33.5067, 14.8790



20.0853, 33.5067, 27.2386



20.1218, 33.5067, 48.2499

Triad

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



20.0853, 33.5067, 27.2386



35.7271, 33.5067, 90.7182



42.7788, 33.5067, 14.6664

Complementary

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



20.0853, 33.5067, 27.2386



18.8546, 9.6633, 3.4589

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.



47.4205, 33.5067, 26.8041



20.0853, 33.5067, 27.2386



42.9442, 33.5067, 72.7048

Square

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



20.0853, 33.5067, 27.2386



28.4302, 33.5067, 90.9795



47.4853, 33.5067, 47.6132



35.5273, 33.5067, 9.7408

Rectangle

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



20.0853, 33.5067, 27.2386



21.7035, 33.5067, 65.1320



47.4853, 33.5067, 47.6132



44.7419, 33.5067, 17.7759

Sweetspot

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



20.0862, 33.5080, 27.2394



56.0044, 70.3263, 74.2790



17.1159, 32.4579, 5.3636



11.9252, 15.3400, 16.0734



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



20.0862, 33.5080, 27.2394



36.3241, 60.7227, 48.8727



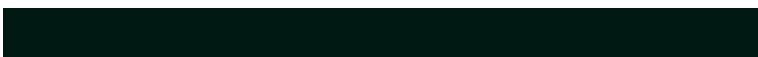
16.9076, 20.9569, 45.2749



8.6470, 9.5933, 10.4006



14.3975, 23.9850, 19.6281



0.4752, 0.7635, 0.7344

Inverse Universe

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



18.8546, 9.6633, 3.4589



34.1099, 17.4902, 5.8499



19.1731, 11.0898, 1.1307



8.5835, 8.5401, 9.3053



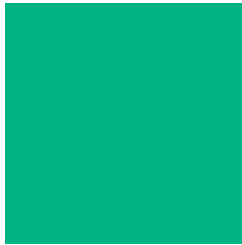
13.5122, 6.9224, 2.5912



0.4495, 0.2275, 0.2095

Previews

White Background



This preview shows how the XYZ color 20.0853, 33.5067, 27.2386 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 20.0853, 33.5067, 27.2386 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 20.0853, 33.5067, 27.2386

Background



This preview shows how black text looks on a background with the XYZ color 20.0853, 33.5067, 27.2386.



This preview shows how white text looks on a background with the XYZ color 20.0853, 33.5067,

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

20.0853, 33.5067, 27.2386

Protanopia

30.8984, 32.9302, 22.8168

Deuteranopia

33.6253, 32.9948, 28.6411



Tritanopia

25.0648, 33.5281, 51.0495

Trichromacy



Original Color

20.0853, 33.5067, 27.2386



Protanomaly

22.7427, 30.7392, 24.1366



Deuteranomaly

23.8248, 30.4299, 27.9104



Tritanomaly

22.7819, 33.4186, 41.3261

Monochromacy



Original Color

20.0853, 33.5067, 27.2386



Achromatopsia

17.8524, 18.7821, 20.4537



Achromatomaly

16.1435, 22.0415, 22.4724

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.0853, 33.5067, 27.2386 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, 178, 132)` looks like.

```
.text, #text, p{  
    color:rgb(0, 178, 132)  
}
```

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, 178, 132) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 178, 132) }
```

Border

The CSS property to change the border of an element to XYZ 20.0853, 33.5067, 27.2386 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, 178, 132) }
```


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

```
.border{ border-color:rgb(0, 178, 132) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 178, 132)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 178, 132); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 178, 132);  
box-shadow:4px 4px 4px 4px rgb(0, 178,  
132) }
```

Background

The CSS property to change the background color of an element to XYZ 20.0853, 33.5067, 27.2386 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 178, 132) }
```

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

```
.background{ background-color: rgb(0, 178,  
132) }
```

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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