

Converting Colors

XYZ(19.0247, 33.8804, 28.7001)

Have a look what the booklet for
XYZ(19.0247, 33.8804, 28.7001)
contains.

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Color

**XYZ(20.9678, 34.8253,
28.9094)**

Conversions

Conversions Part 1

Format	Color
Hex	00B588
RGB	0, 181, 136
RGB Percent	0%, 71%, 53%
CMY	0.9999, 0.2902, 0.4667
CMYK	1.00, 0.00, 0.25, 0.29
HSL	165°, 100%, 35%
HSV	165°, 100%, 71%
XYZ	20.9678, 34.8253, 28.9094
YIQ	121.7510, -93.4310, -52.3670

Conversions

Conversions Part 2

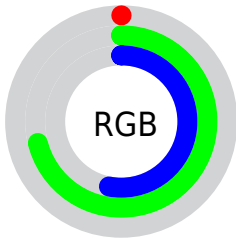
Format	Color
RYB	0, 103, 181
Decimal	46472
CIELab	65.61, -49.66, 12.17
CIELCh	66, 51.129, 166.235
Yxy	34.8253, 0.2475, 0.4111
Android (android.graphics.Color)	4278236552 (0xFF00B588)
YUV	121.7510, 7.0248, -106.7756
Hunter-Lab	59.0130, -39.8501, 12.2640

Details

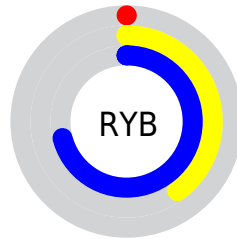
The XYZ color **20.9678, 34.8253, 28.9094** is a dark color, and the websafe version is hex **33CC99**. A complement of this color would be **19.5310, 10.0141, 3.3882**, and the grayscale version is **18.4194, 19.3786, 21.1033**.

A 20% lighter version of the original color is **44.4792, 67.2561, 58.7815**, and **9.2691, 15.8506, 11.3750** is the 20% darker color. If you saturate the color by 10%, you get **20.9682, 34.8264, 28.9084**, and if you desaturate by 10%, it is **21.5469, 35.0870, 30.6424**.

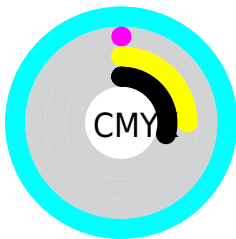
Distribution



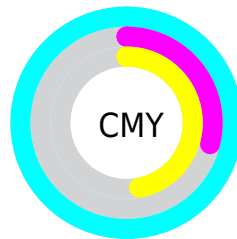
- Red (0%)
- Green (71%)
- Blue (53%)



- Red (0%)
- Yellow (40%)
- Blue (71%)



- Cyan (100%)
- Magenta (0%)
- Yellow (25%)
- Black (29%)





- Cyan (100%)
- Magenta (29%)
- Yellow (47%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.9678, 34.8253, 28.9094 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 20.9678, 34.8253, 28.9094 by changing the saturation by 10% instead.


 20.9678, 34.8253,
28.9094


 20.9678, 34.8253,
28.9094


249.8423,
323.7965, 310.8348


 13.2128, 23.5283,
18.7673


 44.5256, 67.2150,
58.9736


 7.6532, 14.9841,
11.3272


 61.0591, 89.0766,
79.7327

 3.9238, 8.8082,
6.1704


 81.2495, 115.2285,
104.8680

 1.6591, 4.6163,
2.8785

 105.4622,
146.0551, 134.7979

 0.4305, 2.0239,
1.0329

 134.0624,
181.9408, 169.9410

 0.0000, 0.6213,
0.0000

 167.4156,

 0.0000, 0.0000,

223.2700, 210.7158

0.0000

205.8871,
270.4271, 257.5409

■ 20.9678, 34.8253,
28.9094

■ 20.9678, 34.8253,
28.9094

■ 20.9682, 34.8264,
28.9084

■ 21.5469, 35.0870,
30.6424

■ 22.3708, 35.4724,
32.4570

■ 23.5281, 36.0281,
34.3590

■ 25.0614, 36.7761,
36.3512

■ 27.0068, 37.7348,
38.4361

■ 29.3959, 38.9207,
40.6159

■ 32.2573, 40.3483,
42.8927

■ 35.6170, 42.0312,
45.2686

■ 39.4994, 43.9819,
47.7453

Harmonies

Analogous

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



23.7329, 34.8253, 15.9114



20.9678, 34.8253, 28.9094



21.0868, 34.8253, 50.6889

Triad

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



20.9678, 34.8253, 28.9094



37.3017, 34.8253, 93.0614



44.1211, 34.8253, 15.2156

Complementary

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



20.9678, 34.8253, 28.9094



19.5310, 10.0141, 3.3882

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.



48.9816, 34.8253, 27.4967



20.9678, 34.8253, 28.9094



44.6560, 34.8253, 74.2986

Square

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



20.9678, 34.8253, 28.9094



29.7836, 34.8253, 93.9030



49.1910, 34.8253, 48.6290



36.6547, 34.8253, 10.2733

Rectangle

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



20.9678, 34.8253, 28.9094



22.7702, 34.8253, 67.9755



49.1910, 34.8253, 48.6290



46.1602, 34.8253, 18.3579

Sweetspot

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



20.9687, 34.8267, 28.9102



57.4866, 72.1188, 76.6044



17.6184, 33.6129, 5.5599



11.9469, 15.3487, 16.1878



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.



20.9687, 34.8267, 28.9102



37.4569, 62.3330, 51.2704



17.1110, 20.8764, 46.8453



8.6506, 9.5947, 10.4195



14.4833, 24.0193, 20.0795



0.4773, 0.7644, 0.7456

Inverse Universe

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



19.5310, 10.0141, 3.3882



34.9012, 17.9030, 5.6636



20.0054, 11.7212, 1.2086



8.5802, 8.5388, 9.2876



13.4874, 6.9125, 2.4608



0.4481, 0.2270, 0.2023

Previews

White Background



This preview shows how the XYZ color 20.9678, 34.8253, 28.9094 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 20.9678, 34.8253, 28.9094 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 20.9678, 34.8253, 28.9094

Background



This preview shows how black text looks on a background with the XYZ color 20.9678, 34.8253, 28.9094.



This preview shows how white text looks on a background with the XYZ color 20.9678, 34.8253,

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

20.9678, 34.8253, 28.9094

Protanopia

32.0770, 34.2592, 24.3241

Deuteranopia

34.8641, 34.3192, 30.3779



Tritanopia

25.9581, 34.8025, 52.9264

Trichromacy



Original Color

20.9678, 34.8253, 28.9094



Protanomaly

23.6621, 31.9832, 25.6951



Deuteranomaly

24.7702, 31.6652, 29.6174



Tritanomaly

23.6465, 34.7022, 42.9880

Monochromacy



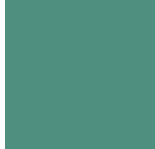
Original Color

20.9678, 34.8253, 28.9094



Achromatopsia

18.4984, 19.4618, 21.1939



Achromatomaly

16.7951, 22.7969, 23.5937

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.9678, 34.8253, 28.9094 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, 181, 136)` looks like.

```
.text, #text, p{  
    color:rgb(0, 181, 136)  
}
```

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, 181, 136) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 181, 136) }
```

Border

The CSS property to change the border of an element to XYZ 20.9678, 34.8253, 28.9094 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, 181, 136) }
```


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

```
.border{ border-color:rgb(0, 181, 136) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 181, 136)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 181, 136); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 181, 136);  
box-shadow:4px 4px 4px 4px rgb(0, 181,  
136) }
```

Background

The CSS property to change the background color of an element to XYZ 20.9678, 34.8253, 28.9094 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 181, 136) }
```

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

```
.background{ background-color: rgb(0, 181,  
136) }
```

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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