

Converting Colors

XYZ(9.3793, 29.0161, 27.5497)

Have a look what the booklet for
XYZ(9.3793, 29.0161, 27.5497)
contains.

XYZ(20.8269, 34.7690, 28.1676)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(20.8269, 34.7690,
28.1676)**

Conversions

Conversions Part 1

Format	Color
Hex	00B586
RGB	0, 181, 134
RGB Percent	0%, 71%, 53%
CMY	1.0000, 0.2902, 0.4745
CMYK	1.00, 0.00, 0.26, 0.29
HSL	164°, 100%, 35%
HSV	164°, 100%, 71%
XYZ	20.8269, 34.7690, 28.1676
YIQ	121.5230, -92.7890, -52.9890

Conversions

Conversions Part 2

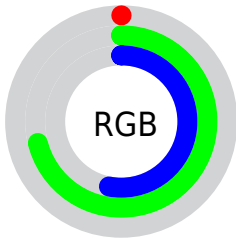
Format	Color
RYB	0, 104, 181
Decimal	46470
CIELab	65.57, -50.15, 13.20
CIELCh	66, 51.857, 165.255
Yxy	34.7690, 0.2486, 0.4151
Android (android.graphics.Color)	4278236550 (0xFF00B586)
YUV	121.5230, 6.1512, -106.5757
Hunter-Lab	58.9652, -40.1418, 12.9529

Details

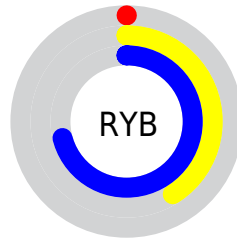
The XYZ color **20.8269, 34.7690, 28.1676** is a dark color, and the websafe version is hex **33CC99**. A complement of this color would be **19.5703, 10.0298, 3.5953**, and the grayscale version is **18.3473, 19.3027, 21.0207**.

A 20% lighter version of the original color is **44.2635, 67.1698, 57.6459**, and **9.1896, 15.8188, 10.9565** is the 20% darker color. If you saturate the color by 10%, you get **20.8275, 34.7702, 28.1672**, and if you desaturate by 10%, it is **21.4145, 35.0341, 29.9457**.

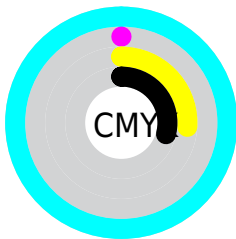
Distribution



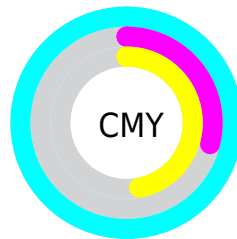
- Red (0%)
- Green (71%)
- Blue (53%)



- Red (0%)
- Yellow (41%)
- Blue (71%)



- Cyan (100%)
- Magenta (0%)
- Yellow (26%)
- Black (29%)





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

Brightness & Saturation Gradients


These gradients show how the XYZ color 20.8269, 34.7690, 28.1676 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 20.8269, 34.7690, 28.1676 by changing the saturation by 10% instead.


 20.8269, 34.7690,
28.1676


 20.8269, 34.7690,
28.1676


249.1063,
323.5475, 307.2040


 13.1093, 23.4850,
18.2119


 44.2927, 67.1278,
57.7782


 7.5814, 14.9520,
10.9312


 60.7716, 88.9713,
78.2702


 3.8778, 8.7857,
5.9070


 80.9017, 115.1035,
103.1114

 1.6332, 4.6017,
2.7207

 105.0482,
145.9086, 132.7203

 0.4139, 2.0155,
0.9538

 133.5765,
181.7713, 167.5155

 0.0000, 0.6165,
0.0000

 166.8521,

 0.0000, 0.0000,

223.0757, 207.9155

0.0000

205.2402,
270.2063, 254.3388

■ 20.8269, 34.7690,
28.1676

■ 20.8269, 34.7690,
28.1676

■ 20.8275, 34.7702,
28.1672

■ 21.4145, 35.0341,
29.9457

■ 22.2480, 35.4233,
31.8115

■ 23.4162, 35.9834,
33.7710

■ 24.9615, 36.7361,
35.8271

■ 26.9201, 37.7001,
37.9823

■ 29.3236, 38.8917,
40.2391

■ 32.2007, 40.3257,
42.5996

■ 35.5775, 42.0154,
45.0660

■ 39.4782, 43.9733,
47.6401

Harmonies

Analogous

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



23.7112, 34.7690, 15.3673



20.8269, 34.7690, 28.1676



20.8516, 34.7690, 49.9797

Triad

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



20.8269, 34.7690, 28.1676



37.0455, 34.7690, 94.3378



44.4464, 34.7690, 15.2234

Complementary

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



20.8269, 34.7690, 28.1676



19.5703, 10.0298, 3.5953

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.



49.2571, 34.7690, 27.8733



20.8269, 34.7690, 28.1676



44.5585, 34.7690, 75.6526

Square

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



20.8269, 34.7690, 28.1676



29.4630, 34.7690, 94.5150



49.3010, 34.7690, 49.5482



36.9102, 34.7690, 10.0835

Rectangle

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



20.8269, 34.7690, 28.1676



22.4865, 34.7690, 67.5401



49.3010, 34.7690, 49.5482



46.4837, 34.7690, 18.4647

Sweetspot

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



20.8278, 34.7704, 28.1684



57.3857, 72.0784, 76.0728



17.7566, 33.6842, 5.5662



11.9225, 15.3389, 16.0592



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.



20.8278, 34.7704, 28.1684



37.2024, 62.2313, 49.9303



17.5406, 21.7357, 46.9886



8.6465, 9.5931, 10.3983



14.3869, 23.9808, 19.5723



0.4749, 0.7634, 0.7330

Inverse Universe

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



19.5703, 10.0298, 3.5953



34.9693, 17.9303, 6.0219



19.8935, 11.4974, 1.1711



8.5839, 8.5403, 9.3075



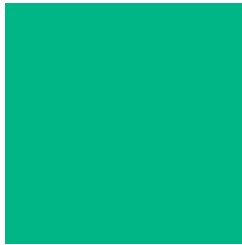
13.5153, 6.9237, 2.6078



0.4496, 0.2276, 0.2104

Previews

White Background



This preview shows how the XYZ color 20.8269, 34.7690, 28.1676 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 20.8269, 34.7690, 28.1676 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

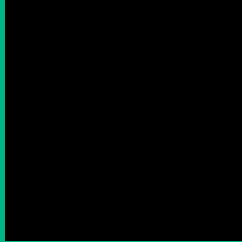
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 20.8269, 34.7690, 28.1676

Background



This preview shows how black text looks on a background with the XYZ color 20.8269, 34.7690, 28.1676.

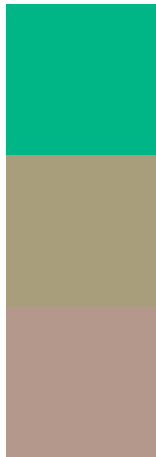


This preview shows how white text looks on a background with the XYZ color 20.8269, 34.7690,

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

20.8269, 34.7690, 28.1676

Protanopia

32.1642, 34.3188, 23.6678

Deuteranopia

34.7843, 34.0532, 29.5505



Tritanopia

26.0168, 34.8328, 52.9291

Trichromacy



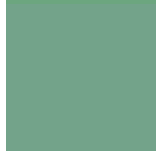
Original Color

20.8269, 34.7690, 28.1676



Protanomaly

23.6513, 31.9929, 25.0074



Deuteranomaly

24.7549, 31.6742, 28.8538



Tritanomaly

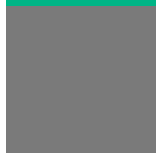
23.5894, 34.6835, 42.4971

Monochromacy



Original Color

20.8269, 34.7690, 28.1676



Achromatopsia

18.4984, 19.4618, 21.1939



Achromatomaly

16.7302, 22.7710, 23.2521

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.8269, 34.7690, 28.1676 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, 134)` looks like.

```
.text, #text, p{  
    color:rgb(0, 181, 134)  
}
```

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, 134) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 181, 134) }
```

Border

The CSS property to change the border of an element to XYZ 20.8269, 34.7690, 28.1676 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, 134) }
```


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

```
.border{ border-color:rgb(0, 181, 134) }
```

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, 134)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 181, 134); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 181, 134);  
box-shadow:4px 4px 4px 4px rgb(0, 181,  
134) }
```

Background

The CSS property to change the background color of an element to XYZ 20.8269, 34.7690, 28.1676 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, 134) }
```

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

```
.background{ background-color: rgb(0, 181,  
134) }
```

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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