

Converting Colors

XYZ(20.2933, 32.8582, 28.1944)

Have a look what the booklet for
XYZ(20.2933, 32.8582, 28.1944)
contains.

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Color

**XYZ(20.4052, 33.0611,
28.2276)**

Conversions

Conversions Part 1

Format	Color
Hex	1DB087
RGB	29, 176, 135
RGB Percent	11%, 69%, 53%
CMY	0.8862, 0.3098, 0.4706
CMYK	0.84, 0.00, 0.23, 0.31
HSL	163°, 72%, 40%
HSV	163°, 84%, 69%
XYZ	20.4052, 33.0611, 28.2276
YIQ	127.3730, -74.4510, -43.9150

Conversions

Conversions Part 2

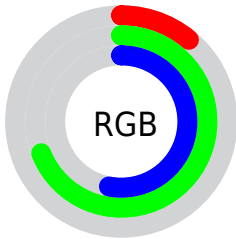
Format	Color
R _Y B	29, 114, 176
Decimal	1945735
CIE Lab	64.21, -46.34, 10.77
CIE LCh	64, 47.578, 166.921
Yxy	33.0611, 0.2498, 0.4047
Android (android.graphics.Color)	4280135815 (0xFF1DB087)
YUV	127.3730, 3.7601, -86.2731
Hunter-Lab	57.4988, -37.2767, 11.1422

Details

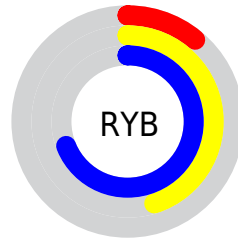
The XYZ color **20.4052, 33.0611, 28.2276** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **19.4505, 10.5519, 6.8077**, and the grayscale version is **20.3083, 21.3659, 23.2674**.

A 20% lighter version of the original color is **43.6955, 64.7334, 57.7688**, and **8.5992, 14.5749, 10.9543** is the 20% darker color. If you saturate the color by 10%, you get **19.7048, 32.7399, 26.4324**, and if you desaturate by 10%, it is **21.4073, 33.5377, 30.1216**.

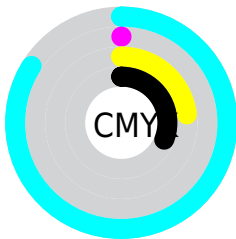
Distribution



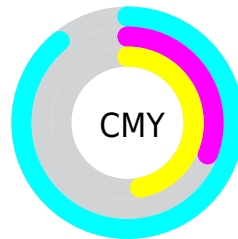
- Red (11%)
- Green (69%)
- Blue (53%)



- Red (11%)
- Yellow (45%)
- Blue (69%)



- Cyan (84%)
- Magenta (0%)
- Yellow (23%)
- Black (31%)





- Cyan (89%)
- Magenta (31%)
- Yellow (47%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 20.4052, 33.0611, 28.2276 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 20.4052, 33.0611, 28.2276 by changing the saturation by 10% instead.


 20.4052, 33.0611,
28.2276


 20.4052, 33.0611,
28.2276


246.8923,
315.9250, 307.4990


 12.7999, 22.1733,
18.2568

 43.5943, 64.4709,
57.8751

 7.3669, 13.9843,
10.9631


 59.9088, 85.7617,
78.3888


 3.7410, 8.1097,
5.9282


 79.8570, 111.2888,
103.2539

 1.5567, 4.1652,
2.7334

 103.8044,
141.4368, 132.8889

 0.3639, 1.7664,
0.9602

 132.1163,
176.5901, 167.7124

 0.0000, 0.4661,
0.0000

 165.1580,

 0.0000, 0.0000,

217.1329, 208.1429

0.0000

203.2949,
263.4497, 254.5989

■ 20.4052, 33.0611,
28.2276

■ 20.4052, 33.0611,
28.2276

■ 19.7048, 32.7399,
26.4324

■ 21.4073, 33.5377,
30.1216

■ 19.3508, 32.5817,
25.3169

■ 22.7509, 34.1876,
32.1151

■ 24.4723, 35.0304,
34.2117

■ 26.6025, 36.0820,
36.4139

■ 29.1691, 37.3567,
38.7239

■ 32.1973, 38.8673,
41.1440

■ 35.7102, 40.6259,
43.6762

■ 39.7296, 42.6436,
46.3226

■ 44.2757, 44.9307,
49.0849

Harmonies

Analogous

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



22.8684, 33.0611, 16.1173



20.4052, 33.0611, 28.2276



20.5744, 33.0611, 47.9305

Triad

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



20.4052, 33.0611, 28.2276



35.3526, 33.0611, 84.5268



41.1433, 33.0611, 15.1084

Complementary

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



20.4052, 33.0611, 28.2276



19.4505, 10.5519, 6.8077

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.



45.5409, 33.0611, 26.2309



20.4052, 33.0611, 28.2276



41.8836, 33.0611, 67.8046

Square

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



20.4052, 33.0611, 28.2276



28.5783, 33.0611, 85.6707



45.8297, 33.0611, 45.0774



34.4518, 33.0611, 10.5808

Rectangle

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



20.4052, 33.0611, 28.2276



22.1512, 33.0611, 63.2470



45.8297, 33.0611, 45.0774



42.9781, 33.0611, 17.9739

Sweetspot

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



20.4061, 33.0624, 28.2284



57.2719, 69.9299, 73.7608



18.3212, 32.4672, 6.4642



11.9954, 14.9471, 15.6573



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

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



20.4061, 33.0624, 28.2284



34.9936, 59.0500, 45.3826



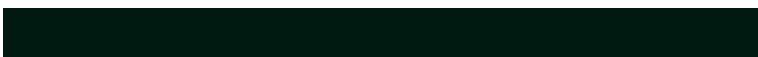
18.3403, 23.3893, 44.6237



8.6395, 9.5903, 10.3614



14.2233, 23.9153, 18.7108



0.4708, 0.7618, 0.7112

Inverse Universe

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



19.4505, 10.5519, 6.8077



33.3987, 17.1107, 6.3951



19.7882, 12.6415, 2.5601



8.5906, 8.5429, 9.3423



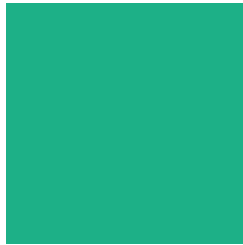
13.5670, 6.9444, 2.8799



0.4523, 0.2287, 0.2245

Previews

White Background



This preview shows how the XYZ color 20.4052, 33.0611, 28.2276 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 20.4052, 33.0611, 28.2276 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

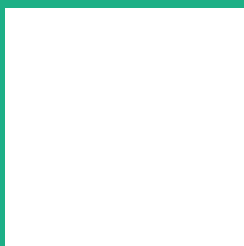
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 20.4052, 33.0611, 28.2276

Background



This preview shows how black text looks on a background with the XYZ color 20.4052, 33.0611, 28.2276.

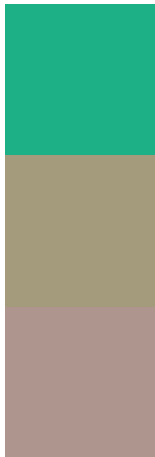


This preview shows how white text looks on a background with the XYZ color 20.4052, 33.0611,

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

20.4052, 33.0611, 28.2276

Protanopia

30.5035, 32.4590, 23.7263

Deuteranopia

33.0107, 32.4167, 29.7165



Tritanopia

24.8464, 33.1604, 49.8908

Trichromacy



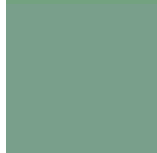
Original Color

20.4052, 33.0611, 28.2276



Protanomaly

23.8868, 31.0440, 25.1552



Deuteranomaly

24.9435, 30.7253, 29.0420



Tritanomaly

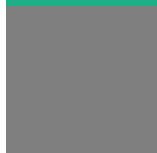
22.9021, 32.9112, 41.2218

Monochromacy



Original Color

20.4052, 33.0611, 28.2276



Achromatopsia

20.1725, 21.2231, 23.1119



Achromatomaly

18.4690, 24.0867, 24.7949

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.4052, 33.0611, 28.2276 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(29, 176, 135)` looks like.

```
.text, #text, p{  
  color:rgb(29, 176, 135)  
}
```

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(29, 176, 135) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(29, 176, 135) }
```

Border

The CSS property to change the border of an element to XYZ 20.4052, 33.0611, 28.2276 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(29, 176, 135) }
```


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

```
.border{ border-color:rgb(29, 176, 135) }
```

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

Here you see how a box with a 4 pixel `rgb(29, 176, 135)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(29, 176, 135); -webkit-box-  
shadow:4px 4px 4px 4px rgb(29, 176, 135);  
box-shadow:4px 4px 4px 4px rgb(29, 176,  
135) }
```

Background

The CSS property to change the background color of an element to XYZ 20.4052, 33.0611, 28.2276 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(29, 176, 135) }
```

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

```
.background{ background-color: rgb(29, 176,  
135) }
```

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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