

Converting Colors

XYZ(20.4119, 33.1580, 29.0085)

Have a look what the booklet for
XYZ(20.4119, 33.1580, 29.0085)
contains.

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Color

**XYZ(20.3292, 33.0055,
28.9662)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 14B089 |
| RGB | 20, 176, 137 |
| RGB Percent | 8%, 69%, 54% |
| CMY | 0.9215, 0.3098, 0.4627 |
| CMYK | 0.89, 0.00, 0.22, 0.31 |
| HSL | 165°, 80%, 38% |
| HSV | 165°, 89%, 69% |
| XYZ | 20.3292, 33.0055, 28.9662 |
| YIQ | 124.9100, -80.4570, -45.2010 |

Conversions

Conversions Part 2

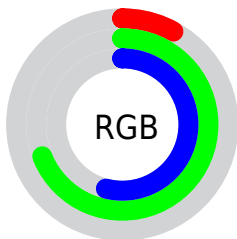
| Format | Color |
|-------------------------------------|-------------------------------|
| RYB | 20, 109, 176 |
| Decimal | 1355913 |
| CIELab | 64.17, -46.52, 9.59 |
| CIELCh | 64, 47.500, 168.356 |
| Yxy | 33.0055, 0.2470, 0.4010 |
| Android (android.graphics.Color) | 4279545993 (0xFF14B089) |
| YUV | 124.9100, 5.9604, -92.0061 |
| Hunter-Lab | 57.4504, -37.3748, 10.3216 |

Details

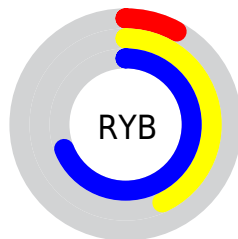
The XYZ color **20.3292, 33.0055, 28.9662** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **18.9453, 10.0471, 5.0804**, and the grayscale version is **19.4644, 20.4781, 22.3006**.

A 20% lighter version of the original color is **43.5788, 64.6482, 58.8967**, and **8.6798, 14.6072, 11.3788** is the 20% darker color. If you saturate the color by 10%, you get **19.7622, 32.7498, 27.3259**, and if you desaturate by 10%, it is **21.1487, 33.3916, 30.6870**.

Distribution



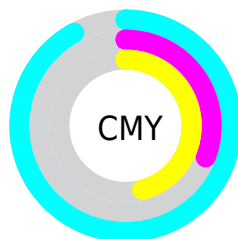
- Red (8%)
- Green (69%)
- Blue (54%)



- Red (8%)
- Yellow (43%)
- Blue (69%)



- Cyan (89%)
- Magenta (0%)
- Yellow (22%)
- Black (31%)





- Cyan (92%)
- Magenta (31%)
- Yellow (46%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.3292, 33.0055, 28.9662 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 20.3292, 33.0055, 28.9662 by changing the saturation by 10% instead.


 20.3292, 33.0055,
28.9662


 20.3292, 33.0055,
28.9662


246.4915,
315.6745, 311.1114


 12.7442, 22.1307,
18.8099


 43.4682, 64.3841,
59.0649


 7.3284, 13.9529,
11.3576


 59.7529, 85.6567,
79.8444


 3.7165, 8.0879,
6.1907


 79.6682, 111.1639,
105.0021

 1.5430, 4.1513,
2.8907

 103.5795,
141.2903, 134.9564

 0.3548, 1.7585,
1.0391

 131.8521,
176.4201, 170.1260

 0.0000, 0.4611,
0.0000

 164.8514,

 0.0000, 0.0000,

216.9379, 210.9293

0.0000

202.9427,
263.2278, 257.7849

■ 20.3292, 33.0055,
28.9662

■ 20.3292, 33.0055,
28.9662

■ 19.7622, 32.7498,
27.3259

■ 21.1487, 33.3916,
30.6870

■ 19.6906, 32.7176,
27.1063

■ 22.2861, 33.9392,
32.4900

■ 23.7809, 34.6695,
34.3785

■ 25.6659, 35.5995,
36.3548

■ 27.9704, 36.7442,
38.4209

■ 30.7206, 38.1170,
40.5789

■ 33.9406, 39.7305,
42.8305

■ 37.6528, 41.5961,
45.1777

■ 41.8781, 43.7246,
47.6219

Harmonies

Analogous

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



22.6620, 33.0055, 16.5114



20.3292, 33.0055, 28.9662



20.6242, 33.0055, 48.9141

Triad

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



20.3292, 33.0055, 28.9662



35.6239, 33.0055, 83.8206



40.7766, 33.0055, 14.7514

Complementary

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



20.3292, 33.0055, 28.9662



18.9453, 10.0471, 5.0804

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.



45.3213, 33.0055, 25.4863



20.3292, 33.0055, 28.9662



42.0657, 33.0055, 66.6081

Square

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



20.3292, 33.0055, 28.9662



28.8315, 33.0055, 85.8109



45.8242, 33.0055, 43.9459



34.0549, 33.0055, 10.4928

Rectangle

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



20.3292, 33.0055, 28.9662



22.2801, 33.0055, 64.1813



45.8242, 33.0055, 43.9459



42.6485, 33.0055, 17.5001

Sweetspot

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



20.3301, 33.0068, 28.9670



56.3460, 69.4450, 74.0577



17.6145, 32.1139, 5.9327



11.8258, 14.8572, 15.7629



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.



20.3301, 33.0068, 28.9670



35.6157, 59.2989, 48.6586



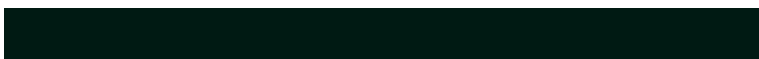
17.4460, 21.9246, 44.3881



8.6501, 9.5945, 10.4168



14.4712, 24.0144, 20.0158



0.4770, 0.7643, 0.7441

Inverse Universe

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



18.9453, 10.0471, 5.0804



33.2209, 17.0396, 5.4589



19.4657, 12.1493, 1.9815



8.5806, 8.5390, 9.2901



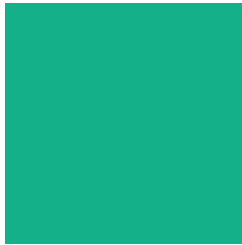
13.4908, 6.9139, 2.4787



0.4483, 0.2271, 0.2033

Previews

White Background



This preview shows how the XYZ color 20.3292, 33.0055, 28.9662 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 20.3292, 33.0055, 28.9662 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

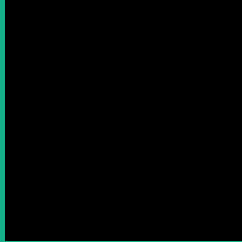
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 20.3292, 33.0055, 28.9662

Background



This preview shows how black text looks on a background with the XYZ color 20.3292, 33.0055, 28.9662.

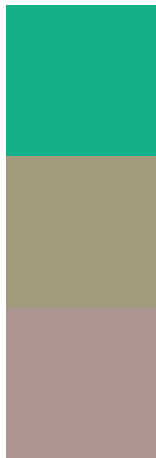


This preview shows how white text looks on a background with the XYZ color 20.3292, 33.0055,

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

20.3292, 33.0055, 28.9662

Protanopia

30.4258, 32.4041, 24.3897

Deuteranopia

32.9390, 32.3623, 30.4971



Tritanopia

24.7138, 33.0800, 50.4299

Trichromacy



Original Color

20.3292, 33.0055, 28.9662



Protanomaly

23.5051, 30.8319, 25.8314



Deuteranomaly

24.5420, 30.5013, 29.7931



Tritanomaly

22.7663, 32.8305, 41.6962

Monochromacy



Original Color

20.3292, 33.0055, 28.9662



Achromatopsia

19.4927, 20.5079, 22.3331



Achromatomaly

17.8662, 23.5577, 24.3743

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.3292, 33.0055, 28.9662 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(20, 176, 137)` looks like.

```
.text, #text, p{  
    color:rgb(20, 176, 137)  
}
```

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(20, 176, 137) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(20, 176, 137) }
```

Border

The CSS property to change the border of an element to XYZ 20.3292, 33.0055, 28.9662 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(20, 176, 137) }
```


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

```
.border{ border-color:rgb(20, 176, 137) }
```

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

Here you see how a box with a 4 pixel `rgb(20, 176, 137)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(20, 176, 137); -webkit-box-  
shadow:4px 4px 4px 4px rgb(20, 176, 137);  
box-shadow:4px 4px 4px 4px rgb(20, 176,  
137) }
```

Background

The CSS property to change the background color of an element to XYZ 20.3292, 33.0055, 28.9662 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(20, 176, 137) }
```

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

```
.background{ background-color: rgb(20, 176,  
137) }
```

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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