

Converting Colors

XYZ(18.5845, 33.8835, 27.8698)

Have a look what the booklet for
XYZ(18.5845, 33.8835, 27.8698)
contains.

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Color

**XYZ(20.9616, 35.1494,
27.8700)**

Conversions

Conversions Part 1

Format	Color
Hex	00B685
RGB	0, 182, 133
RGB Percent	0%, 71%, 52%
CMY	0.9999, 0.2863, 0.4784
CMYK	1.00, 0.00, 0.27, 0.29
HSL	164°, 100%, 36%
HSV	164°, 100%, 71%
XYZ	20.9616, 35.1494, 27.8700
YIQ	121.9960, -92.7430, -53.8230

Conversions

Conversions Part 2

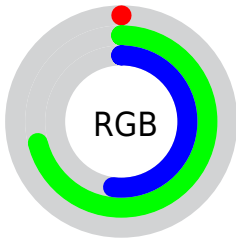
Format	Color
RYB	0, 105, 182
Decimal	46725
CIELab	65.86, -50.78, 14.16
CIELCh	66, 52.716, 164.418
Yxy	35.1494, 0.2496, 0.4185
Android (android.graphics.Color)	4278236805 (0xFF00B685)
YUV	121.9960, 5.4250, -106.9905
Hunter-Lab	59.2869, -40.6413, 13.6294

Details

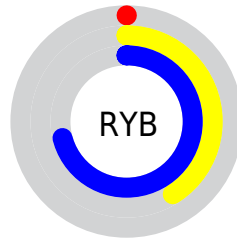
The XYZ color **20.9616, 35.1494, 27.8700** is a dark color, and the websafe version is hex **33CC99**. A complement of this color would be **19.8471, 10.1677, 3.8243**, and the grayscale version is **18.5040, 19.4677, 21.2003**.

A 20% lighter version of the original color is **44.5533, 67.7650, 57.1861**, and **9.2805, 16.0629, 10.7949** is the 20% darker color. If you saturate the color by 10%, you get **20.9620, 35.1505, 27.8691**, and if you desaturate by 10%, it is **21.5625, 35.4200, 29.7079**.

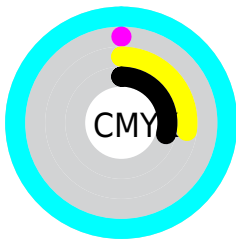
Distribution



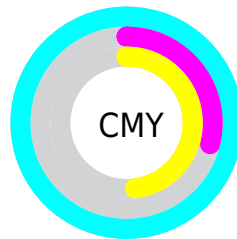
- Red (0%)
- Green (71%)
- Blue (52%)



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



- Cyan (100%)
- Magenta (0%)
- Yellow (27%)
- Black (29%)





- Cyan (100%)
- Magenta (29%)
- Yellow (48%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 20.9616, 35.1494, 27.8700 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 20.9616, 35.1494, 27.8700 by changing the saturation by 10% instead.


 20.9616, 35.1494,
27.8700


 20.9616, 35.1494,
27.8700


249.8099,
325.2273, 305.7376


 13.2082, 23.7780,
17.9895


 44.5154, 67.7171,
57.2974


 7.6501, 15.1690,
10.7731


 61.0465, 89.6823,
77.6814


 3.9218, 8.9381,
5.8022


 81.2343, 115.9474,
102.4037

 1.6580, 4.7008,
2.6584

 105.4440,
146.8970, 131.8827

 0.4297, 2.0728,
0.9224

 134.0411,
182.9153, 166.5371

 0.0000, 0.6493,
0.0000

 167.3909,

 0.0000, 0.0000,

224.3869, 206.7853

0.0000

205.8587,
271.6961, 253.0460

■ 20.9616, 35.1494,
27.8700

■ 20.9616, 35.1494,
27.8700

■ 20.9620, 35.1505,
27.8691

■ 21.5625, 35.4200,
29.7079

■ 22.4138, 35.8170,
31.6404

■ 23.6051, 36.3874,
33.6734

■ 25.1796, 37.1534,
35.8100

■ 27.1738, 38.1339,
38.0530

■ 29.6199, 39.3454,
40.4049

■ 32.5469, 40.8028,
42.8680

■ 35.9814, 42.5199,
45.4445

■ 39.9478, 44.5091,
48.1366

Harmonies

Analogous

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



23.9865, 35.1494, 15.0873



20.9616, 35.1494, 27.8700



20.9040, 35.1494, 49.9729

Triad

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



20.9616, 35.1494, 27.8700



37.2771, 35.1494, 96.6370



45.2847, 35.1494, 15.4209

Complementary

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



20.9616, 35.1494, 27.8700



19.8471, 10.1677, 3.8243

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.



50.1093, 35.1494, 28.5565



20.9616, 35.1494, 27.8700



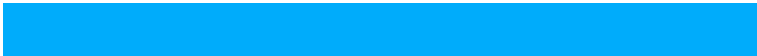
45.0219, 35.1494, 77.7971

Square

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



20.9616, 35.1494, 27.8700



29.5457, 35.1494, 96.2196



50.0063, 35.1494, 50.9846



37.5940, 35.1494, 10.0440

Rectangle

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



20.9616, 35.1494, 27.8700



22.5164, 35.1494, 67.9865



50.0063, 35.1494, 50.9846



47.3450, 35.1494, 18.7904

Sweetspot

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



20.9625, 35.1508, 27.8708



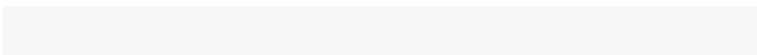
58.7086, 73.8244, 77.4805



18.1233, 34.1762, 5.6420



12.4543, 16.0501, 16.6939



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

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



20.9625, 35.1508, 27.8708



37.8991, 63.6838, 49.9797



18.2025, 22.8945, 47.7174



9.1607, 10.1682, 11.0035



14.8314, 24.8335, 19.8319



0.5472, 0.8852, 0.8273

Inverse Universe

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



19.8471, 10.1677, 3.8243



35.8965, 18.3989, 6.4883



20.0325, 11.4261, 1.1501



9.1013, 9.0509, 9.8808



14.0392, 7.1894, 2.8273



0.5216, 0.2641, 0.2404

Previews

White Background



This preview shows how the XYZ color 20.9616, 35.1494, 27.8700 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 20.9616, 35.1494, 27.8700 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

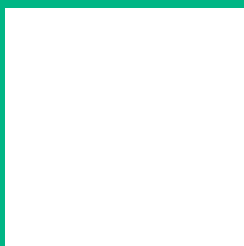
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 20.9616, 35.1494, 27.8700

Background



This preview shows how black text looks on a background with the XYZ color 20.9616, 35.1494, 27.8700.

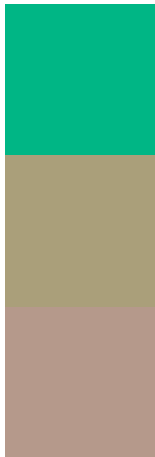


This preview shows how white text looks on a background with the XYZ color 20.9616, 35.1494,

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

20.9616, 35.1494, 27.8700

Protanopia

32.4886, 34.7475, 23.4070

Deuteranopia

35.1075, 34.4703, 29.2292



Tritanopia

26.3189, 35.2639, 53.5636

Trichromacy



Original Color

20.9616, 35.1494, 27.8700



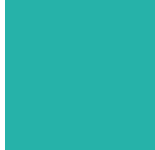
Protanomaly

23.7690, 32.3319, 24.7266



Deuteranomaly

24.8610, 32.0019, 28.5336



Tritanomaly

23.8812, 35.1174, 43.0558

Monochromacy



Original Color

20.9616, 35.1494, 27.8700



Achromatopsia

18.4984, 19.4618, 21.1939



Achromatomaly

16.8810, 23.0726, 23.3024

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.9616, 35.1494, 27.8700 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, 182, 133)` looks like.

```
.text, #text, p{  
    color:rgb(0, 182, 133)  
}
```

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, 182, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 182, 133) }
```

Border

The CSS property to change the border of an element to XYZ 20.9616, 35.1494, 27.8700 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, 182, 133) }
```


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

```
.border{ border-color:rgb(0, 182, 133) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 182, 133)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 182, 133); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 182, 133);  
box-shadow:4px 4px 4px 4px rgb(0, 182,  
133) }
```

Background

The CSS property to change the background color of an element to XYZ 20.9616, 35.1494, 27.8700 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 182, 133) }
```

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

```
.background{ background-color: rgb(0, 182,  
133) }
```

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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