

Converting Colors

XYZ(18.2970, 32.6197, 26.5170)

Have a look what the booklet for
XYZ(18.2970, 32.6197, 26.5170)
contains.

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Color

**XYZ(19.9497, 33.4525,
26.5246)**

Conversions

Conversions Part 1

Format	Color
Hex	00B282
RGB	0, 178, 130
RGB Percent	0%, 70%, 51%
CMY	0.9999, 0.3019, 0.4902
CMYK	1.00, 0.00, 0.27, 0.30
HSL	164°, 100%, 35%
HSV	164°, 100%, 70%
XYZ	19.9497, 33.4525, 26.5246
YIQ	119.3060, -90.6800, -52.6640

Conversions

Conversions Part 2

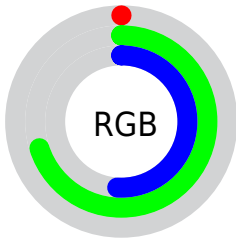
Format	Color
RYB	0, 103, 178
Decimal	45698
CIELab	64.53, -49.95, 13.93
CIELCh	65, 51.853, 164.418
Yxy	33.4525, 0.2496, 0.4185
Android (android.graphics.Color)	4278235778 (0xFF00B282)
YUV	119.3060, 5.2721, -104.6314
Hunter-Lab	57.8381, -39.6480, 13.2963

Details

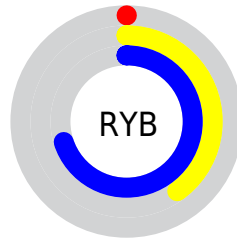
The XYZ color **19.9497, 33.4525, 26.5246** is a dark color, and the websafe version is hex **33CC99**. A complement of this color would be **18.8950, 9.6794, 3.6712**, and the grayscale version is **17.6384, 18.5569, 20.2085**.

A 20% lighter version of the original color is **42.8717, 65.2152, 55.1280**, and **8.6929, 15.0094, 10.2235** is the 20% darker color. If you saturate the color by 10%, you get **19.9499, 33.4535, 26.5233**, and if you desaturate by 10%, it is **20.5264, 33.7125, 28.2741**.

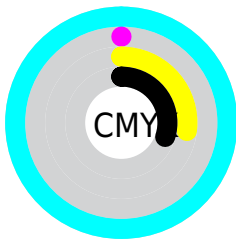
Distribution



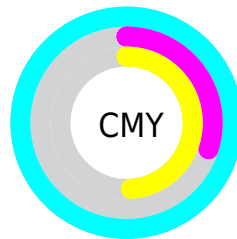
- Red (0%)
- Green (70%)
- Blue (51%)



- Red (0%)
- Yellow (40%)
- Blue (70%)



- Cyan (100%)
- Magenta (0%)
- Yellow (27%)
- Black (30%)





- Cyan (100%)
- Magenta (30%)
- Yellow (49%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.9497, 33.4525, 26.5246 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 19.9497, 33.4525, 26.5246 by changing the saturation by 10% instead.


 19.9497, 33.4525,
26.5246


 19.9497, 33.4525,
26.5246


244.4814,
317.6838, 299.0349


 12.4665, 22.4733,
16.9872

 42.8374, 65.0814,
55.1145


 7.1367, 14.2051,
10.0635


 58.9727, 86.4998,
75.0041


 3.5948, 8.2635,
5.3349


 78.7227, 112.1668,
99.1815

 1.4756, 4.2640,
2.3829

 102.4528,
142.4668, 128.0653

 0.3091, 1.8223,
0.7771

 130.5284,
177.7840, 162.0740

 0.0000, 0.5010,
0.0000

 163.3148,

 0.0000, 0.0000,

218.5030, 201.6261

0.0000

201.1774,
265.0082, 247.1402

■ 19.9497, 33.4525,
26.5246

■ 19.9497, 33.4525,
26.5246

■ 19.9499, 33.4535,
26.5233

■ 20.5264, 33.7125,
28.2741

■ 21.3398, 34.0920,
30.1134

■ 22.4764, 34.6363,
32.0485

■ 23.9770, 35.3664,
34.0821

■ 25.8761, 36.3002,
36.2169

■ 28.2043, 37.4532,
38.4553

■ 30.9889, 38.8397,
40.7995

■ 34.2550, 40.4726,
43.2516

■ 38.0259, 42.3638,
45.8136

Harmonies

Analogous

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



22.8285, 33.4525, 14.3591



19.9497, 33.4525, 26.5246



19.8949, 33.4525, 47.5603

Triad

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



19.9497, 33.4525, 26.5246



35.4775, 33.4525, 91.9712



43.0984, 33.4525, 14.6765

Complementary

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



19.9497, 33.4525, 26.5246



18.8950, 9.6794, 3.6712

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.



47.6901, 33.4525, 27.1779



19.9497, 33.4525, 26.5246



42.8483, 33.4525, 74.0410

Square

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



19.9497, 33.4525, 26.5246



28.1194, 33.4525, 91.5740



47.5920, 33.4525, 48.5231



35.7790, 33.4525, 9.5592

Rectangle

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



19.9497, 33.4525, 26.5246



21.4294, 33.4525, 64.7042



47.5920, 33.4525, 48.5231



45.0593, 33.4525, 17.8833

Sweetspot

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



19.9506, 33.4538, 26.5254



55.9047, 70.2865, 73.7541



17.2587, 32.5316, 5.3702



11.9005, 15.3301, 15.9433



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.



19.9506, 33.4538, 26.5254



36.0760, 60.6235, 47.5663



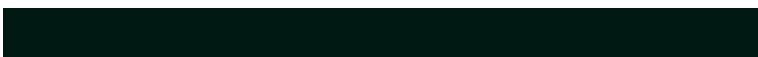
17.3329, 21.8076, 45.4167



8.6429, 9.5916, 10.3791



14.3012, 23.9464, 19.1207



0.4728, 0.7626, 0.7216

Inverse Universe

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



18.8950, 9.6794, 3.6712



34.1805, 17.5184, 6.2217



19.0728, 10.8892, 1.0972



8.5874, 8.5417, 9.3256



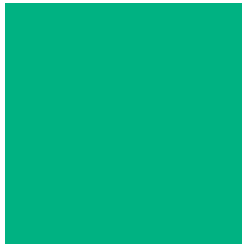
13.5417, 6.9342, 2.7468



0.4510, 0.2282, 0.2178

Previews

White Background



This preview shows how the XYZ color 19.9497, 33.4525, 26.5246 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 19.9497, 33.4525, 26.5246 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 19.9497, 33.4525, 26.5246

Background



This preview shows how black text looks on a background with the XYZ color 19.9497, 33.4525, 26.5246.

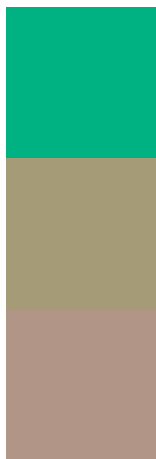


This preview shows how white text looks on a background with the XYZ color 19.9497, 33.4525,

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

19.9497, 33.4525, 26.5246

Protanopia

30.7770, 32.8816, 22.1774

Deuteranopia

33.4817, 32.9374, 27.8854



Tritanopia

25.0648, 33.5281, 51.0495

Trichromacy



Original Color

19.9497, 33.4525, 26.5246



Protanomaly

22.6162, 30.6886, 23.4704



Deuteranomaly

23.6839, 30.3736, 27.1687



Tritanomaly

22.6905, 33.3820, 40.8448

Monochromacy



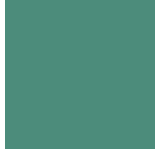
Original Color

19.9497, 33.4525, 26.5246



Achromatopsia

17.5343, 18.4475, 20.0893



Achromatomaly

15.9337, 21.7227, 22.0920

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.9497, 33.4525, 26.5246 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, 178, 130)` looks like.

```
.text, #text, p{  
    color:rgb(0, 178, 130)  
}
```

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, 178, 130) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 178, 130) }
```

Border

The CSS property to change the border of an element to XYZ 19.9497, 33.4525, 26.5246 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, 178, 130) }
```


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

```
.border{ border-color:rgb(0, 178, 130) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 178, 130)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(0, 178, 130); -webkit-box-shadow:4px 4px 4px 4px rgb(0, 178, 130); box-shadow:4px 4px 4px 4px rgb(0, 178, 130) }
```

Background

The CSS property to change the background color of an element to XYZ 19.9497, 33.4525, 26.5246 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 178, 130) }
```

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

```
.background{ background-color: rgb(0, 178,  
130) }
```

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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