

Converting Colors

XYZ(20.9876, 32.8811, 34.6753)

Have a look what the booklet for
XYZ(20.9876, 32.8811, 34.6753)
contains.

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Color

**XYZ(20.9910, 32.9330,
34.5285)**

Conversions

Conversions Part 1

Format	Color
Hex	06AF97
RGB	6, 175, 151
RGB Percent	2%, 69%, 59%
CMY	0.9764, 0.3137, 0.4078
CMYK	0.97, 0.00, 0.14, 0.31
HSL	171°, 93%, 35%
HSV	171°, 97%, 69%
XYZ	20.9910, 32.9330, 34.5285
YIQ	121.7330, -93.0200, -43.2920

Conversions

Conversions Part 2

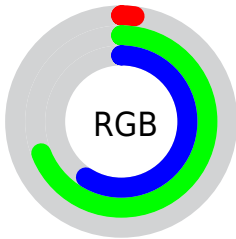
Format	Color
RYB	6, 97, 175
Decimal	438167
CIELab	64.11, -43.06, 1.73
CIELCh	64, 43.094, 177.701
Yxy	32.9330, 0.2373, 0.3723
Android (android.graphics.Color)	4278628247 (0xFF06AF97)
YUV	121.7330, 14.4286, -101.4978
Hunter-Lab	57.3873, -35.1364, 4.4978

Details

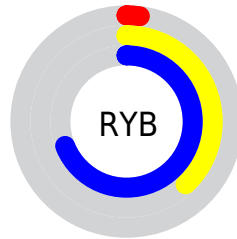
The XYZ color **20.9910, 32.9330, 34.5285** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **17.9799, 9.3390, 2.0851**, and the grayscale version is **18.3908, 19.3485, 21.0705**.

A 20% lighter version of the original color is **44.4192, 64.0464, 67.7787**, and **9.1376, 14.5948, 14.3921** is the 20% darker color. If you saturate the color by 10%, you get **20.8472, 32.8677, 34.1609**, and if you desaturate by 10%, it is **21.4861, 33.1654, 35.6175**.

Distribution



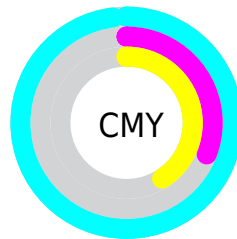
- Red (2%)
- Green (69%)
- Blue (59%)



- Red (2%)
- Yellow (38%)
- Blue (69%)



- Cyan (97%)
- Magenta (0%)
- Yellow (14%)
- Black (31%)



- Cyan (98%)
- Magenta (31%)
- Yellow (41%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.9910, 32.9330, 34.5285 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 20.9910, 32.9330, 34.5285 by changing the saturation by 10% instead.

■ 20.9910, 32.9330,
34.5285

■ 20.9910, 32.9330,
34.5285

■ 249.9633,
315.3477, 337.3230

■ 13.2298, 22.0751,
23.0193

■ 44.5639, 64.2709,
67.8980

■ 7.6651, 13.9121,
14.4023

■ 61.1064, 85.5197,
90.5952

■ 3.9314, 8.0596,
8.2591

■ 81.3068, 111.0010,
117.8590

■ 1.6634, 4.1331,
4.1710

■ 105.5303,
141.0991, 150.1077

■ 0.4332, 1.7483,
1.7196

■ 134.1423,
176.1984, 187.7599

■ 0.0000, 0.4546,
0.3741

■ 167.5083,

■ 0.0000, 0.0000,

216.6834, 231.2342

0.0000

205.9935,
262.9383, 280.9490

■ 20.9910, 32.9330,
34.5285

■ 20.9910, 32.9330,
34.5285

■ 20.8472, 32.8677,
34.1609

■ 21.4861, 33.1654,
35.6175

■ 22.2445, 33.5323,
36.7404

■ 23.3173, 34.0608,
37.9005

■ 24.7413, 34.7698,
39.0997

■ 26.5477, 35.6755,
40.3395

■ 28.7647, 36.7924,
41.6214

■ 31.4176, 38.1334,
42.9468

■ 34.5295, 39.7105,
44.3167

■ 38.1222, 41.5350,
45.7324

Harmonies

Analogous

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



22.4037, 32.9330, 20.7472



20.9910, 32.9330, 34.5285



22.0295, 32.9330, 53.8335

Triad

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



20.9910, 32.9330, 34.5285



37.0720, 32.9330, 74.5422



37.9912, 32.9330, 14.3118

Complementary

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



20.9910, 32.9330, 34.5285



17.9799, 9.3390, 2.0851

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.



42.8674, 32.9330, 22.4094



20.9910, 32.9330, 34.5285



42.2901, 32.9330, 56.9501

Square

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



20.9910, 32.9330, 34.5285



30.8339, 32.9330, 80.9388



44.5334, 32.9330, 37.2221



31.7744, 32.9330, 11.6898

Rectangle

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



20.9910, 32.9330, 34.5285



24.0582, 32.9330, 66.8543



44.5334, 32.9330, 37.2221



39.8705, 32.9330, 16.3211

Sweetspot

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



20.9919, 32.9343, 34.5293



54.7833, 67.5430, 76.2064



15.9399, 30.9713, 5.3110



11.7345, 14.7889, 16.7169



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.



20.9919, 32.9343, 34.5293



37.2734, 58.8380, 60.8528



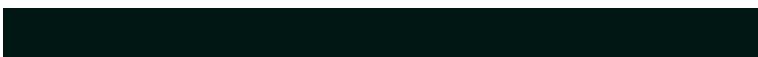
14.0429, 15.5929, 42.8284



8.1867, 9.0522, 10.0080



14.9461, 23.5437, 24.5535



0.4289, 0.6602, 0.7523

Inverse Universe

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



17.9799, 9.3390, 2.0851



31.9267, 16.4283, 2.8716



19.6128, 12.9274, 1.6346



8.0499, 8.0332, 8.5734



12.7995, 6.5823, 1.3235



0.3701, 0.1887, 0.1105

Previews

White Background



This preview shows how the XYZ color 20.9910, 32.9330, 34.5285 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 20.9910, 32.9330, 34.5285 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

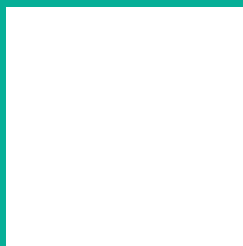
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 20.9910, 32.9330, 34.5285

Background



This preview shows how black text looks on a background with the XYZ color 20.9910, 32.9330, 34.5285.

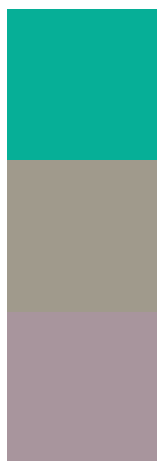


This preview shows how white text looks on a background with the XYZ color 20.9910, 32.9330,

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

20.9910, 32.9330, 34.5285

Protanopia

30.7864, 32.4782, 29.4572

Deuteranopia

32.9817, 32.2540, 36.3856



Tritanopia

24.2454, 32.8385, 50.4080

Trichromacy



Original Color

20.9910, 32.9330, 34.5285



Protanomaly

23.6633, 30.7973, 31.0828



Deuteranomaly

24.4499, 30.0715, 35.5261



Tritanomaly

22.8261, 32.8069, 44.1590

Monochromacy



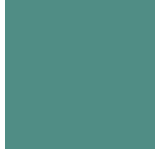
Original Color

20.9910, 32.9330, 34.5285



Achromatopsia

18.4984, 19.4618, 21.1939



Achromatomaly

17.0668, 22.4487, 25.6238

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.9910, 32.9330, 34.5285 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(6, 175, 151)` looks like.

```
.text, #text, p{  
    color:rgb(6, 175, 151)  
}
```

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(6, 175, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(6, 175, 151) }
```

Border

The CSS property to change the border of an element to XYZ 20.9910, 32.9330, 34.5285 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(6, 175, 151) }
```


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

```
.border{ border-color:rgb(6, 175, 151) }
```

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

Here you see how a box with a 4 pixel `rgb(6, 175, 151)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(6, 175, 151); -webkit-box-  
shadow:4px 4px 4px 4px rgb(6, 175, 151);  
box-shadow:4px 4px 4px 4px rgb(6, 175,  
151) }
```

Background

The CSS property to change the background color of an element to XYZ 20.9910, 32.9330, 34.5285 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(6, 175, 151) }
```

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

```
.background{ background-color: rgb(6, 175,  
151) }
```

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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