

Converting Colors

XYZ(21.4284, 32.7841, 32.0837)

Have a look what the booklet for
XYZ(21.4284, 32.7841, 32.0837)
contains.

XYZ(21.5135, 32.9694, 32.0179)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(21.5135, 32.9694,
32.0179)**

Conversions

Conversions Part 1

Format	Color
Hex	31AE91
RGB	49, 174, 145
RGB Percent	19%, 68%, 57%
CMY	0.8078, 0.3176, 0.4314
CMYK	0.72, 0.00, 0.17, 0.32
HSL	166°, 56%, 44%
HSV	166°, 72%, 68%
XYZ	21.5135, 32.9694, 32.0179
YIQ	133.3190, -65.1910, -35.5190

Conversions

Conversions Part 2

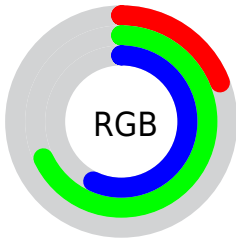
Format	Color
RYB	49, 120, 174
Decimal	3255953
CIELab	64.14, -40.70, 5.17
CIELCh	64, 41.026, 172.762
Yxy	32.9694, 0.2487, 0.3811
Android (android.graphics.Color)	4281446033 (0xFF31AE91)
YUV	133.3190, 5.7587, -73.9478
Hunter-Lab	57.4190, -33.6036, 7.1321

Details

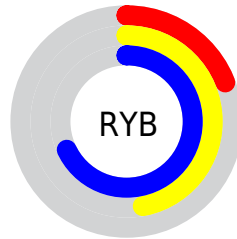
The XYZ color **21.5135, 32.9694, 32.0179** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **19.9301, 11.7462, 8.4258**, and the grayscale version is **22.4083, 23.5752, 25.6734**.

A 20% lighter version of the original color is **45.4157, 64.2279, 64.0364**, and **8.9029, 14.5010, 13.1562** is the 20% darker color. If you saturate the color by 10%, you get **20.5251, 32.4960, 30.3759**, and if you desaturate by 10%, it is **22.8387, 33.6168, 33.7349**.

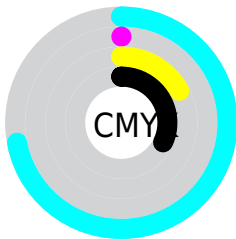
Distribution



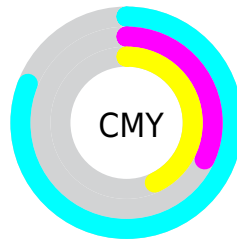
- Red (19%)
- Green (68%)
- Blue (57%)



- Red (19%)
- Yellow (47%)
- Blue (68%)



- Cyan (72%)
- Magenta (0%)
- Yellow (17%)
- Black (32%)



- Cyan (81%)
- Magenta (32%)
- Yellow (43%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.5135, 32.9694, 32.0179 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 21.5135, 32.9694, 32.0179 by changing the saturation by 10% instead.

■ 21.5135, 32.9694,
32.0179

■ 21.5135, 32.9694,
32.0179

252.6754,
315.5118, 325.6960

■ 13.6145, 22.1030,
21.1102

■ 45.4255, 64.3278,
63.9374

■ 7.9329, 13.9326,
13.0126

■ 62.1691, 85.5885,
85.7863

■ 4.1035, 8.0738,
7.3064

■ 82.5916, 111.0828,
112.1194

■ 1.7609, 4.1422,
3.5731

■ 107.0584,
141.1951, 143.3551

■ 0.4939, 1.7534,
1.3942

■ 135.9349,
176.3098, 179.9121

■ 0.0000, 0.4579,
0.1372

169.5863,

■ 0.0000, 0.0000,

216.8112, 222.2089

0.0000

208.3780,
263.0837, 270.6640

■ 21.5135, 32.9694,
32.0179

■ 21.5135, 32.9694,
32.0179

■ 20.5251, 32.4960,
30.3759

■ 22.8387, 33.6168,
33.7349

■ 19.8310, 32.1723,
28.8042

■ 24.5314, 34.4515,
35.5266

■ 19.4140, 31.9842,
27.5700

■ 26.6220, 35.4900,
37.3959

■ 29.1367, 36.7459,
39.3446

■ 32.0996, 38.2314,
41.3743

■ 35.5329, 39.9582,
43.4865

■ 39.4574, 41.9368,
45.6829

■ 43.8924, 44.1772,
47.9649

■ 48.8565, 46.6890,
50.3338

Harmonies

Analogous

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



23.2611, 32.9694, 19.8160



21.5135, 32.9694, 32.0179



22.1267, 32.9694, 49.7462

Triad

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



21.5135, 32.9694, 32.0179



35.8581, 32.9694, 74.1965



38.5904, 32.9694, 15.9836

Complementary

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



21.5135, 32.9694, 32.0179



19.9301, 11.7462, 8.4258

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.



42.8015, 32.9694, 24.8927



21.5135, 32.9694, 32.0179



41.0929, 32.9694, 58.9342

Square

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



21.5135, 32.9694, 32.0179



29.9506, 32.9694, 77.8834



43.7696, 32.9694, 40.0797



32.7644, 32.9694, 12.6020

Rectangle

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



21.5135, 32.9694, 32.0179



23.8328, 32.9694, 62.2809



43.7696, 32.9694, 40.0797



40.2698, 32.9694, 18.2695

Sweetspot

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



21.5144, 32.9707, 32.0187



57.9045, 69.1855, 74.8389



18.8470, 32.1220, 8.1131



12.5385, 15.2109, 16.4145



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.



21.5144, 32.9707, 32.0187



36.4530, 58.5779, 53.4605



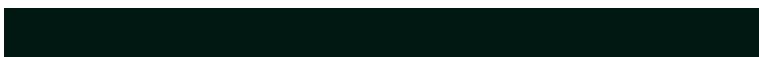
18.3835, 22.6618, 43.4511



8.1556, 9.0398, 9.8446



14.1042, 23.2069, 20.1200



0.4115, 0.6533, 0.6607

Inverse Universe

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



19.9301, 11.7462, 8.4258



33.5148, 17.8802, 8.7166



21.0535, 15.3065, 4.7511



8.0786, 8.0447, 8.7245



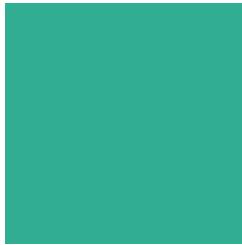
12.9626, 6.6476, 2.1828



0.3814, 0.1932, 0.1701

Previews

White Background



This preview shows how the XYZ color 21.5135, 32.9694, 32.0179 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 21.5135, 32.9694, 32.0179 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

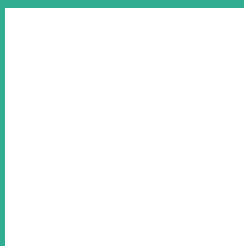
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 21.5135, 32.9694, 32.0179

Background



This preview shows how black text looks on a background with the XYZ color 21.5135, 32.9694, 32.0179.

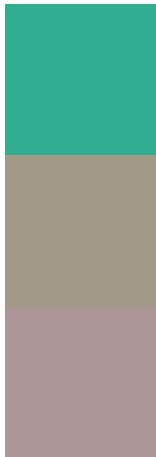


This preview shows how white text looks on a background with the XYZ color 21.5135, 32.9694,

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

21.5135, 32.9694, 32.0179

Protanopia

30.7590, 32.5138, 27.2089

Deuteranopia

33.0471, 32.3548, 33.3575



Tritanopia

25.0154, 32.9823, 49.3037

Trichromacy



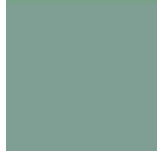
Original Color

21.5135, 32.9694, 32.0179



Protanomaly

25.2175, 31.3897, 28.7745



Deuteranomaly

26.3246, 31.1039, 32.6332



Tritanomaly

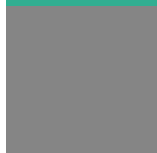
23.6488, 32.9825, 42.6560

Monochromacy



Original Color

21.5135, 32.9694, 32.0179



Achromatopsia

22.2940, 23.4551, 25.5426



Achromatomaly

20.5848, 25.8107, 27.5639

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.5135, 32.9694, 32.0179 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(49, 174, 145)` looks like.

```
.text, #text, p{  
    color:rgb(49, 174, 145)  
}
```

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(49, 174, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(49, 174, 145) }
```

Border

The CSS property to change the border of an element to XYZ 21.5135, 32.9694, 32.0179 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(49, 174, 145) }
```


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

```
.border{ border-color:rgb(49, 174, 145) }
```

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

Here you see how a box with a 4 pixel `rgb(49, 174, 145)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(49, 174, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(49, 174, 145);  
box-shadow:4px 4px 4px 4px rgb(49, 174,  
145) }
```

Background

The CSS property to change the background color of an element to XYZ 21.5135, 32.9694, 32.0179 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(49, 174, 145) }
```

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

```
.background{ background-color: rgb(49, 174,  
145) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor