

Converting Colors

XYZ(20.8714, 31.9394, 35.1919)

Have a look what the booklet for
XYZ(20.8714, 31.9394, 35.1919)
contains.

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Color

**XYZ(20.9032, 32.0116,
35.2141)**

Conversions

Conversions Part 1

Format	Color
Hex	19AC99
RGB	25, 172, 153
RGB Percent	10%, 67%, 60%
CMY	0.9019, 0.3255, 0.4000
CMYK	0.85, 0.00, 0.11, 0.33
HSL	172°, 75%, 39%
HSV	172°, 85%, 67%
XYZ	20.9032, 32.0116, 35.2141
YIQ	125.8810, -81.5130, -37.0730

Conversions

Conversions Part 2

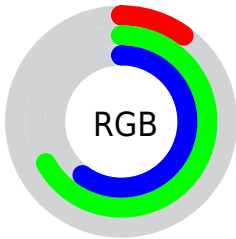
Format	Color
RYB	25, 104, 172
Decimal	1682585
CIELab	63.35, -40.23, -0.47
CIELCh	63, 40.233, 180.666
Yxy	32.0116, 0.2372, 0.3632
Android (android.graphics.Color)	4279872665 (0xFF19AC99)
YUV	125.8810, 13.3697, -88.4726
Hunter-Lab	56.5788, -33.0655, 2.7036

Details

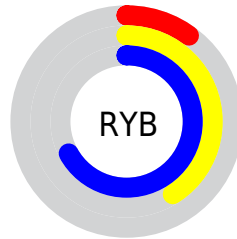
The XYZ color **20.9032, 32.0116, 35.2141** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **17.8166, 9.6487, 3.3077**, and the grayscale version is **19.7684, 20.7978, 22.6489**.

A 20% lighter version of the original color is **44.3727, 62.7585, 68.8064**, and **8.9951, 14.1530, 14.8281** is the 20% darker color. If you saturate the color by 10%, you get **20.4187, 31.7836, 34.2423**, and if you desaturate by 10%, it is **21.6519, 32.3769, 36.2176**.

Distribution



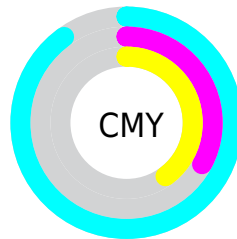
- Red (10%)
- Green (67%)
- Blue (60%)



- Red (10%)
- Yellow (41%)
- Blue (67%)



- Cyan (85%)
- Magenta (0%)
- Yellow (11%)
- Black (33%)



- Cyan (90%)
- Magenta (33%)
- Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.9032, 32.0116, 35.2141 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 20.9032, 32.0116, 35.2141 by changing the saturation by 10% instead.

■ 20.9032, 32.0116,
35.2141

■ 20.9032, 32.0116,
35.2141

■ 249.5051,
311.1721, 340.4453

■ 13.1653, 21.3704,
23.5430

■ 44.4189, 62.8293,
68.9726

■ 7.6203, 13.3950,
14.7859

■ 60.9274, 83.7745,
91.8971

■ 3.9027, 7.7011,
8.5243

■ 81.0901, 108.9232,
119.4098

■ 1.6472, 3.9043,
4.3397

■ 105.2725,
138.6597, 151.9293

■ 0.4229, 1.6202,
1.8135

■ 133.8398,
173.3684, 189.8740

■ 0.0000, 0.3711,
0.4368

■ 167.1574,

■ 0.0000, 0.0000,

213.4338, 233.6625

0.0000

205.5907,
259.2402, 283.7135

■ 20.9032, 32.0116,
35.2141

■ 20.9032, 32.0116,
35.2141

■ 20.4187, 31.7836,
34.2423

■ 21.6519, 32.3769,
36.2176

■ 20.2393, 31.7006,
33.8083

■ 22.7054, 32.8982,
37.2526

■ 24.0990, 33.5944,
38.3215

■ 25.8624, 34.4808,
39.4260

■ 28.0220, 35.5711,
40.5672

■ 30.6019, 36.8777,
41.7464

■ 33.6241, 38.4119,
42.9647

■ 37.1093, 40.1843,
44.2232

■ 41.0766, 42.2049,
45.5229

Harmonies

Analogous

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



21.9929, 32.0116, 21.8571



20.9032, 32.0116, 35.2141



22.0936, 32.0116, 53.0086

Triad

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



20.9032, 32.0116, 35.2141



36.2374, 32.0116, 68.5587



35.9949, 32.0116, 14.3333

Complementary

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



20.9032, 32.0116, 35.2141



17.8166, 9.6487, 3.3077

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.



40.6273, 32.0116, 21.4064



20.9032, 32.0116, 35.2141



40.7789, 32.0116, 52.1935

Square

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



20.9032, 32.0116, 35.2141



30.5511, 32.0116, 75.5302



42.4745, 32.0116, 34.4987



30.3013, 32.0116, 12.2628

Rectangle

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



20.9032, 32.0116, 35.2141



24.1155, 32.0116, 64.4590



42.4745, 32.0116, 34.4987



37.7514, 32.0116, 16.0709

Sweetspot

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



20.9041, 32.0128, 35.2149



55.0068, 66.6420, 75.5128



15.9938, 30.1254, 5.8923



11.6017, 14.3042, 16.2543



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



20.9041, 32.0128, 35.2149



36.6580, 57.4845, 61.0258



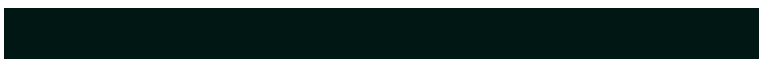
14.3389, 16.1675, 41.3959



8.1911, 9.0540, 10.0314



15.0751, 23.5953, 25.2330



0.4315, 0.6613, 0.7659

Inverse Universe

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



17.8166, 9.6487, 3.3077



31.0865, 16.0000, 2.6128



19.9789, 14.4201, 2.6508



8.0458, 8.0316, 8.5521



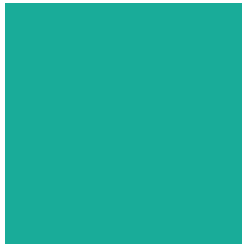
12.7821, 6.5754, 1.2319



0.3685, 0.1881, 0.1021

Previews

White Background



This preview shows how the XYZ color 20.9032, 32.0116, 35.2141 looks on a white background.

Color Contrast Check

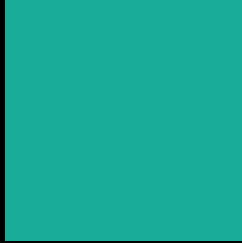
Large Text (above 18pt) WCAG AA × Fail

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 20.9032, 32.0116, 35.2141 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

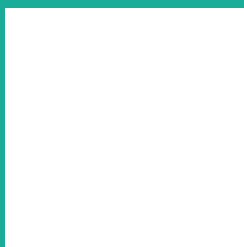
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 20.9032, 32.0116, 35.2141

Background



This preview shows how black text looks on a background with the XYZ color 20.9032, 32.0116, 35.2141.

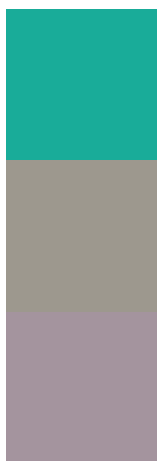


This preview shows how white text looks on a background with the XYZ color 20.9032, 32.0116,

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

20.9032, 32.0116, 35.2141

Protanopia

30.0153, 31.5776, 30.1043

Deuteranopia

32.0713, 31.5409, 36.7454



Tritanopia

23.7615, 32.0608, 49.1920

Trichromacy



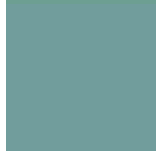
Original Color

20.9032, 32.0116, 35.2141



Protanomaly

23.8931, 30.1228, 31.7491



Deuteranomaly

24.8678, 30.0250, 35.9372



Tritanomaly

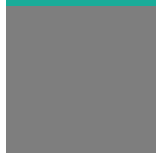
22.4531, 31.7876, 43.4803

Monochromacy



Original Color

20.9032, 32.0116, 35.2141



Achromatopsia

19.8309, 20.8637, 22.7206



Achromatomaly

18.3862, 23.5463, 26.8684

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.9032, 32.0116, 35.2141 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(25, 172, 153)` looks like.

```
.text, #text, p{  
    color:rgb(25, 172, 153)  
}
```

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(25, 172, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(25, 172, 153) }
```

Border

The CSS property to change the border of an element to XYZ 20.9032, 32.0116, 35.2141 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(25, 172, 153) }
```


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

```
.border{ border-color:rgb(25, 172, 153) }
```

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

Here you see how a box with a 4 pixel `rgb(25, 172, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(25, 172, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(25, 172, 153);  
box-shadow:4px 4px 4px 4px rgb(25, 172,  
153) }
```

Background

The CSS property to change the background color of an element to XYZ 20.9032, 32.0116, 35.2141 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(25, 172, 153) }
```

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

```
.background{ background-color: rgb(25, 172,  
153) }
```

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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