

Converting Colors

XYZ(20.1869, 30.9452, 32.9114)

Have a look what the booklet for
XYZ(20.1869, 30.9452, 32.9114)
contains.

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Color

**XYZ(20.1289, 30.8211,
32.9051)**

Conversions

Conversions Part 1

Format	Color
Hex	20A994
RGB	32, 169, 148
RGB Percent	13%, 66%, 58%
CMY	0.8745, 0.3372, 0.4196
CMYK	0.81, 0.00, 0.12, 0.34
HSL	171°, 68%, 39%
HSV	171°, 81%, 66%
XYZ	20.1289, 30.8211, 32.9051
YIQ	125.6430, -74.9110, -35.5750

Conversions

Conversions Part 2

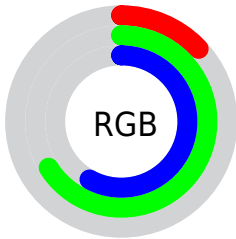
Format	Color
R_{YB}	32, 106, 169
Decimal	2140564
CIE _{Lab}	62.36, -39.71, 0.88
CIE _{LCh}	62, 39.720, 178.726
Yxy	30.8211, 0.2400, 0.3676
Android (android.graphics.Color)	4280330644 (0xFF20A994)
YUV	125.6430, 11.0220, -82.1249
Hunter-Lab	55.5168, -32.4350, 3.7202

Details

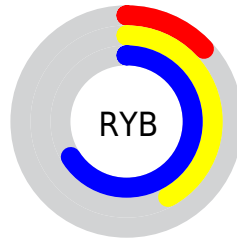
The XYZ color **20.1289, 30.8211, 32.9051** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **17.5223, 9.7259, 4.3231**, and the grayscale version is **19.6933, 20.7189, 22.5629**.

A 20% lighter version of the original color is **43.1794, 60.9983, 65.3752**, and **8.4031, 13.3538, 13.4439** is the 20% darker color. If you saturate the color by 10%, you get **19.5298, 30.5364, 31.8191**, and if you desaturate by 10%, it is **21.0035, 31.2487, 34.0294**.

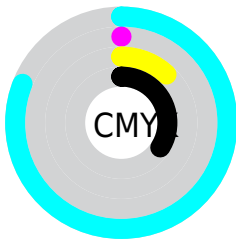
Distribution



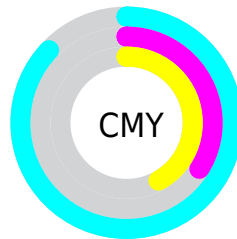
- Red (13%)
- Green (66%)
- Blue (58%)



- Red (13%)
- Yellow (42%)
- Blue (66%)



- Cyan (81%)
- Magenta (0%)
- Yellow (12%)
- Black (34%)





- Cyan (87%)
- Magenta (34%)
- Yellow (42%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 20.1289, 30.8211, 32.9051 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 20.1289, 30.8211, 32.9051 by changing the saturation by 10% instead.


 20.1289, 30.8211,
32.9051


 20.1289, 30.8211,
32.9051


245.4324,
305.7133, 329.8408


 12.5976, 20.4627,
21.7832


 43.1355, 60.9583,
65.3416


 7.2271, 12.7318,
13.5009


 59.3415, 81.5058,
87.4934


 3.6521, 7.2441,
7.6396


 79.1697, 106.2186,
114.1589

 1.5073, 3.6152,
3.7808

 102.9856,
135.4808, 145.7566

 0.3308, 1.4607,
1.5059

 131.1544,
169.6770, 182.7051

 0.0000, 0.2609,
0.2223

 164.0416,

 0.0000, 0.0000,

209.1916, 225.4229

0.0000

202.0125,
254.4089, 274.3287

■ 20.1289, 30.8211,
32.9051

■ 20.1289, 30.8211,
32.9051

■ 19.5298, 30.5364,
31.8191

■ 21.0035, 31.2487,
34.0294

■ 19.1535, 30.3629,
30.8752

■ 22.1873, 31.8345,
35.1915

■ 23.7118, 32.5954,
36.3939

■ 25.6039, 33.5452,
37.6379

■ 27.8880, 34.6966,
38.9249

■ 30.5861, 36.0609,
40.2559

■ 33.7189, 37.6486,
41.6321

■ 37.3053, 39.4697,
43.0546

■ 41.3633, 41.5334,
44.5242

Harmonies

Analogous

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



21.3190, 30.8211, 20.4187



20.1289, 30.8211, 32.9051



21.1337, 30.8211, 49.8903

Triad

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



20.1289, 30.8211, 32.9051



34.5480, 30.8211, 66.7836



34.9942, 30.8211, 14.0848

Complementary

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



20.1289, 30.8211, 32.9051



17.5223, 9.7259, 4.3231

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.



39.3248, 30.8211, 21.2482



20.1289, 30.8211, 32.9051



39.0459, 30.8211, 51.3899

Square

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



20.1289, 30.8211, 32.9051



29.0653, 30.8211, 72.7023



40.8899, 30.8211, 34.2214



29.5249, 30.8211, 11.8124

Rectangle

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



20.1289, 30.8211, 32.9051



22.9919, 30.8211, 61.0830



40.8899, 30.8211, 34.2214



36.6550, 30.8211, 15.8663

Sweetspot

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



20.1298, 30.8223, 32.9058



53.0631, 63.7139, 71.2815



16.0161, 29.2890, 6.1763



11.2062, 13.7052, 15.3589



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

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



20.1298, 30.8223, 32.9058



34.4286, 54.4367, 55.5324



14.8826, 17.4218, 40.1158



7.6974, 8.5120, 9.3926



14.2904, 22.6349, 23.0938



0.3606, 0.5559, 0.6299

Inverse Universe

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



17.5223, 9.7259, 4.3231



29.7445, 15.3972, 3.3402



19.3248, 13.9421, 3.0397



7.5763, 7.5604, 8.0858



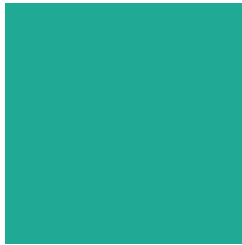
12.3461, 6.3471, 1.3680



0.3138, 0.1598, 0.1041

Previews

White Background



This preview shows how the XYZ color 20.1289, 30.8211, 32.9051 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 20.1289, 30.8211, 32.9051 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

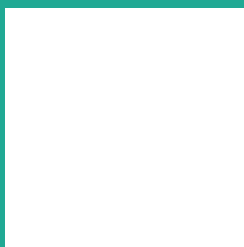
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 20.1289, 30.8211, 32.9051

Background



This preview shows how black text looks on a background with the XYZ color 20.1289, 30.8211, 32.9051.

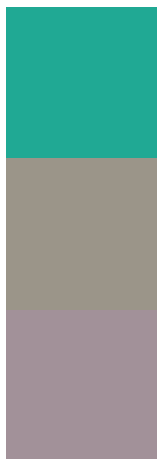


This preview shows how white text looks on a background with the XYZ color 20.1289, 30.8211,

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

20.1289, 30.8211, 32.9051

Protanopia

28.7804, 30.2696, 27.9926

Deuteranopia

30.7755, 30.2321, 34.3503



Tritanopia

23.0123, 30.9089, 46.8726

Trichromacy



Original Color

20.1289, 30.8211, 32.9051

Protanomaly

23.1266, 29.0150, 29.5809

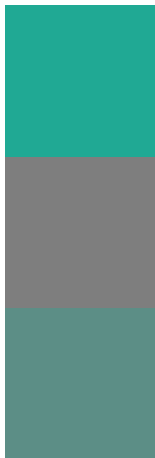
Deuteranomaly

24.2117, 28.9904, 33.5978

Tritanomaly

21.7380, 30.6433, 41.3283

Monochromacy



Original Color

20.1289, 30.8211, 32.9051

Achromatopsia

19.8309, 20.8637, 22.7206

Achromatomaly

18.3897, 23.3425, 26.0906

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.1289, 30.8211, 32.9051 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(32, 169, 148)` looks like.

```
.text, #text, p{  
    color:rgb(32, 169, 148)  
}
```

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(32, 169, 148) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(32, 169, 148) }
```

Border

The CSS property to change the border of an element to XYZ 20.1289, 30.8211, 32.9051 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(32, 169, 148) }
```


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

```
.border{ border-color:rgb(32, 169, 148) }
```

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

Here you see how a box with a 4 pixel `rgb(32, 169, 148)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(32, 169, 148); -webkit-box-  
shadow:4px 4px 4px 4px rgb(32, 169, 148);  
box-shadow:4px 4px 4px 4px rgb(32, 169,  
148) }
```

Background

The CSS property to change the background color of an element to XYZ 20.1289, 30.8211, 32.9051 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(32, 169, 148) }
```

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

```
.background{ background-color: rgb(32, 169,  
148) }
```

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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