

Converting Colors

XYZ(20.5131, 32.8020, 29.2950)

Have a look what the booklet for
XYZ(20.5131, 32.8020, 29.2950)
contains.

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Color

**XYZ(20.5131, 32.8020,
29.2950)**

Conversions

Conversions Part 1

Format	Color
Hex	20AF8A
RGB	32, 175, 138
RGB Percent	13%, 69%, 54%
CMY	0.8745, 0.3137, 0.4588
CMYK	0.82, 0.00, 0.21, 0.31
HSL	164°, 69%, 41%
HSV	164°, 82%, 69%
XYZ	20.5131, 32.8020, 29.2950
YIQ	128.0250, -73.3510, -41.8230

Conversions

Conversions Part 2

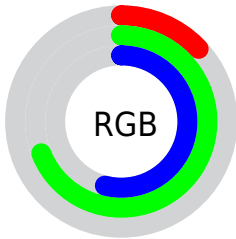
Format	Color
R _Y B	32, 114, 175
Decimal	2142090
CIE Lab	64.00, -44.91, 8.82
CIE LCh	64, 45.769, 168.893
Yxy	32.8020, 0.2483, 0.3971
Android (android.graphics.Color)	4280332170 (0xFF20AF8A)
YUV	128.0250, 4.9177, -84.2139
Hunter-Lab	57.2730, -36.2956, 9.7644

Details

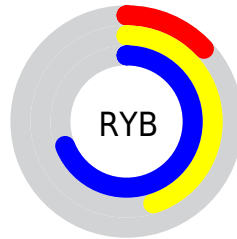
The XYZ color **20.5131, 32.8020, 29.2950** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **19.2711, 10.5776, 6.6578**, and the grayscale version is **20.5295, 21.5986, 23.5209**.

A 20% lighter version of the original color is **43.5734, 63.7970, 59.3077**, and **8.5988, 14.3793, 11.5548** is the 20% darker color. If you saturate the color by 10%, you get **19.7860, 32.4651, 27.5856**, and if you desaturate by 10%, it is **21.5442, 33.2957, 31.0915**.

Distribution



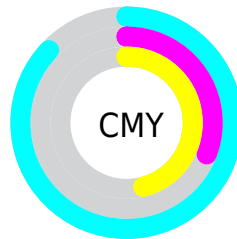
- Red (13%)
- Green (69%)
- Blue (54%)



- Red (13%)
- Yellow (45%)
- Blue (69%)



- Cyan (82%)
- Magenta (0%)
- Yellow (21%)
- Black (31%)



- Cyan (87%)
- Magenta (31%)
- Yellow (46%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.5131, 32.8020, 29.2950 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 20.5131, 32.8020, 29.2950 by changing the saturation by 10% instead.

■ 20.5131, 32.8020,
29.2950

■ 20.5131, 32.8020,
29.2950

247.4604,
314.7566, 312.7087

■ 12.8790, 21.9748,
19.0566

■ 43.7732, 64.0663,
59.5932

■ 7.4217, 13.8384,
11.5340

■ 60.1299, 85.2722,
80.4901

■ 3.7759, 8.0083,
6.3085

■ 80.1248, 110.7064,
105.7769

■ 1.5761, 4.1003,
2.9618

■ 104.1233,
140.7534, 135.8722

■ 0.3768, 1.7298,
1.0751

■ 132.4908,
175.7975, 171.1945

■ 0.0000, 0.4429,
0.0000

165.5926,

■ 0.0000, 0.0000,

216.2231, 212.1623

0.0000

203.7940,
262.4147, 259.1942

■ 20.5131, 32.8020,
29.2950

■ 20.5131, 32.8020,
29.2950

■ 19.7860, 32.4651,
27.5856

■ 21.5442, 33.2957,
31.0915

■ 19.3409, 32.2652,
26.2287

■ 22.9169, 33.9631,
32.9754

■ 24.6661, 34.8229,
34.9500

■ 26.8216, 35.8906,
37.0175

■ 29.4101, 37.1798,
39.1799

■ 32.4559, 38.7032,
41.4392

■ 35.9817, 40.4722,
43.7972

■ 40.0085, 42.4978,
46.2556

■ 44.5559, 44.7902,
48.8161

Harmonies

Analogous

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



22.7275, 32.8020, 17.0689



20.5131, 32.8020, 29.2950



20.8449, 32.8020, 48.5095

Triad

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



20.5131, 32.8020, 29.2950



35.3724, 32.8020, 81.0205



40.0725, 32.8020, 15.0662

Complementary

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



20.5131, 32.8020, 29.2950



19.2711, 10.5776, 6.6578

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.



44.4598, 32.8020, 25.3960



20.5131, 32.8020, 29.2950



41.4981, 32.8020, 64.5622

Square

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



20.5131, 32.8020, 29.2950



28.8464, 32.8020, 83.1969



45.0148, 32.8020, 43.0123



33.6306, 32.8020, 10.9546

Rectangle

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



20.5131, 32.8020, 29.2950



22.4787, 32.8020, 63.0129



45.0148, 32.8020, 43.0123



41.8724, 32.8020, 17.7204

Sweetspot

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



20.5140, 32.8033, 29.2958



55.9965, 68.2476, 72.6869



18.1273, 32.0727, 6.6024



12.0314, 14.9615, 15.8464



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.



20.5140, 32.8033, 29.2958



34.7111, 57.8197, 47.0635



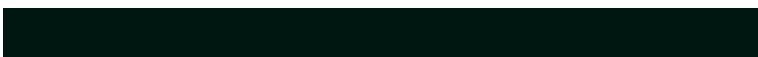
17.9532, 22.6408, 43.9828



8.1465, 9.0362, 9.7963



13.8762, 23.1158, 18.9197



0.4067, 0.6513, 0.6351

Inverse Universe

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



19.2711, 10.5776, 6.6578



32.5840, 16.7701, 6.0900



19.8525, 13.0423, 2.8382



8.0871, 8.0481, 8.7697



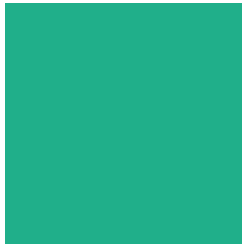
13.0257, 6.6728, 2.5149



0.3847, 0.1946, 0.1878

Previews

White Background



This preview shows how the XYZ color 20.5131, 32.8020, 29.2950 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 20.5131, 32.8020, 29.2950 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

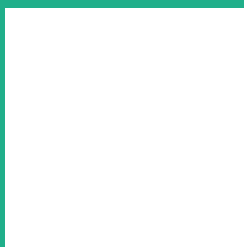
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 20.5131, 32.8020, 29.2950

Background



This preview shows how black text looks on a background with the XYZ color 20.5131, 32.8020, 29.2950.



This preview shows how white text looks on a background with the XYZ color 20.5131, 32.8020,

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

20.5131, 32.8020, 29.2950

Protanopia

30.4906, 32.4300, 24.7313

Deuteranopia

32.7947, 32.2792, 30.8876



Tritanopia

24.6597, 32.7869, 49.8286

Trichromacy



Original Color

20.5131, 32.8020, 29.2950

Protanomaly

24.0873, 31.1242, 26.2108

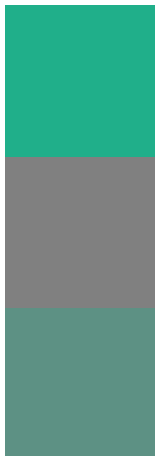
Deuteranomaly

24.9945, 30.4717, 30.1555

Tritanomaly

22.8534, 32.5940, 41.6460

Monochromacy



Original Color

20.5131, 32.8020, 29.2950

Achromatopsia

20.5175, 21.5861, 23.5072

Achromatomaly

18.8045, 24.2439, 25.5182

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.5131, 32.8020, 29.2950 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, 175, 138)` looks like.

```
.text, #text, p{  
    color:rgb(32, 175, 138)  
}
```

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, 175, 138) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(32, 175, 138) }
```

Border

The CSS property to change the border of an element to XYZ 20.5131, 32.8020, 29.2950 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, 175, 138) }
```


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

```
.border{ border-color:rgb(32, 175, 138) }
```

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

Here you see how a box with a 4 pixel `rgb(32, 175, 138)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(32, 175, 138); -webkit-box-  
shadow:4px 4px 4px 4px rgb(32, 175, 138);  
box-shadow:4px 4px 4px 4px rgb(32, 175,  
138) }
```

Background

The CSS property to change the background color of an element to XYZ 20.5131, 32.8020, 29.2950 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(32, 175, 138) }
```

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

```
.background{ background-color: rgb(32, 175,  
138) }
```

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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