

Converting Colors

XYZ(20.7834, 29.1474, 28.9129)

Have a look what the booklet for
XYZ(20.7834, 29.1474, 28.9129)
contains.

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Color

**XYZ(20.7984, 29.1031,
28.9474)**

Conversions

Conversions Part 1

Format	Color
Hex	51A18B
RGB	81, 161, 139
RGB Percent	32%, 63%, 55%
CMY	0.6823, 0.3686, 0.4549
CMYK	0.50, 0.00, 0.14, 0.37
HSL	163°, 33%, 47%
HSV	163°, 50%, 63%
XYZ	20.7984, 29.1031, 28.9474
YIQ	134.5720, -40.6180, -23.8020

Conversions

Conversions Part 2

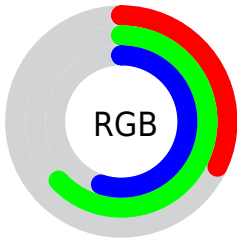
Format	Color
R_{YB}	81, 127, 161
Decimal	5349771
CIE _{Lab}	60.87, -30.05, 3.94
CIE _{LCh}	61, 30.303, 172.535
Yxy	29.1031, 0.2638, 0.3691
Android (android.graphics.Color)	4283539851 (0xFF51A18B)
YUV	134.5720, 2.1830, -46.9826
Hunter-Lab	53.9473, -25.5903, 5.9489

Details

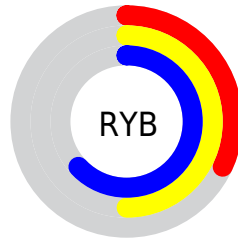
The XYZ color **20.7984, 29.1031, 28.9474** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **20.0895, 14.4420, 14.5618**, and the grayscale version is **22.8743, 24.0656, 26.2074**.

A 20% lighter version of the original color is **44.0620, 58.0684, 58.7552**, and **7.5811, 11.8180, 11.3327** is the 20% darker color. If you saturate the color by 10%, you get **19.2621, 28.3485, 27.2211**, and if you desaturate by 10%, it is **22.6766, 30.0339, 30.7594**.

Distribution



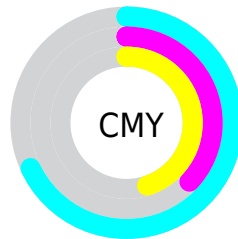
- Red (32%)
- Green (63%)
- Blue (55%)



- Red (32%)
- Yellow (50%)
- Blue (63%)



- Cyan (50%)
- Magenta (0%)
- Yellow (14%)
- Black (37%)



- Cyan (68%)
- Magenta (37%)
- Yellow (45%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.7984, 29.1031, 28.9474 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 20.7984, 29.1031, 28.9474 by changing the saturation by 10% instead.

■ 20.7984, 29.1031,
28.9474

■ 20.7984, 29.1031,
28.9474

248.9572,
297.7011, 311.0199

■ 13.0883, 19.1588,
18.7958

■ 44.2456, 58.2409,
59.0347

■ 7.5668, 11.7851,
11.3475

■ 60.7134, 78.2031,
79.8075

■ 3.8685, 6.5975,
6.1840

■ 80.8312, 102.2735,
104.9577

■ 1.6280, 3.2117,
2.8867

■ 104.9643,
130.8364, 134.9040

■ 0.4106, 1.2432,
1.0371

■ 133.4781,
164.2762, 170.0648

■ 0.0000, 0.0966,
0.0000

166.7380,

■ 0.0000, 0.0000,

202.9774, 210.8586

0.0000

205.1092,
247.3242, 257.7042

■ 20.7984, 29.1031,
28.9474

■ 20.7984, 29.1031,
28.9474

■ 19.2621, 28.3485,
27.2211

■ 22.6766, 30.0339,
30.7594

■ 18.0415, 27.7544,
25.5766

■ 24.9156, 31.1485,
32.6568

■ 17.1108, 27.3082,
24.0125


■ 27.5357, 32.4580,
34.6420


■ 16.4385, 26.9938,
22.5265


■ 30.5550, 33.9717,
36.7166


■ 15.9544, 26.7750,
21.1144


■ 33.9905, 35.6984,
38.8822

 15.9400, 26.7686,
21.0715

 37.8582, 37.6463,
41.1403

 42.1731, 39.8231,
43.4922

 46.9496, 42.2363,
45.9394

 52.2014, 44.8928,
48.4832

Harmonies

Analogous

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



22.0645, 29.1031, 20.2207



20.7984, 29.1031, 28.9474



21.2273, 29.1031, 40.7693

Triad

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



20.7984, 29.1031, 28.9474



30.6733, 29.1031, 56.3019



32.5396, 29.1031, 17.3780

Complementary

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



20.7984, 29.1031, 28.9474



20.0895, 14.4420, 14.5618

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.



35.2802, 29.1031, 24.0671



20.7984, 29.1031, 28.9474



34.1332, 29.1031, 46.8334

Square

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



20.7984, 29.1031, 28.9474



26.6872, 29.1031, 58.4939



35.8896, 29.1031, 34.5970



28.6594, 29.1031, 14.6538

Rectangle

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



20.7984, 29.1031, 28.9474



22.4377, 29.1031, 48.7702



35.8896, 29.1031, 34.5970



33.6393, 29.1031, 19.1487

Sweetspot

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



20.7992, 29.1043, 28.9481



51.6052, 59.2760, 63.6561



19.9013, 29.0081, 12.3353



11.0890, 12.8854, 13.8011



76.7382, 80.7346, 87.9200



13.3056, 13.9985, 15.2444

Same Dimension

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



20.7992, 29.1043, 28.9481



34.1473, 50.5976, 48.3165



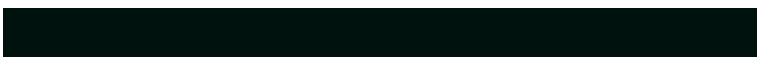
19.7501, 24.1693, 37.3437



7.1926, 7.9779, 8.6260



12.7482, 21.3856, 16.9222



0.2861, 0.4567, 0.4518

Inverse Universe

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



20.0895, 14.4420, 14.5618



32.7438, 21.1662, 19.5440



20.5830, 16.9699, 9.9758



7.1501, 7.1165, 7.7768



12.1214, 6.2046, 2.5639



0.2736, 0.1379, 0.1532

Previews

White Background



This preview shows how the XYZ color 20.7984, 29.1031, 28.9474 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 20.7984, 29.1031, 28.9474 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 × Fail

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

XYZ 20.7984, 29.1031, 28.9474

Background



This preview shows how black text looks on a background with the XYZ color 20.7984, 29.1031, 28.9474.

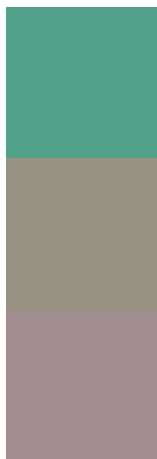


This preview shows how white text looks on a background with the XYZ color 20.7984, 29.1031,

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

20.7984, 29.1031, 28.9474

Protanopia

27.3245, 28.8719, 25.6054

Deuteranopia

29.1807, 28.6100, 29.9709



Tritanopia

23.4349, 29.1522, 41.9279

Trichromacy



Original Color

20.7984, 29.1031, 28.9474

Protanomaly

23.9739, 28.2901, 26.7512

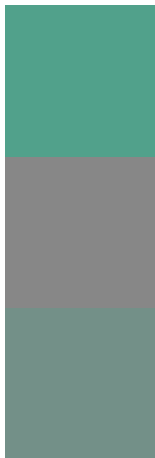
Deuteranomaly

24.9881, 28.0383, 29.6861

Tritanomaly

22.3289, 28.9486, 36.7585

Monochromacy



Original Color

20.7984, 29.1031, 28.9474

Achromatopsia

23.0288, 24.2281, 26.3844

Achromatomaly

21.4874, 25.3689, 27.0567

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.7984, 29.1031, 28.9474 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(81, 161, 139)` looks like.

```
.text, #text, p{  
    color:rgb(81, 161, 139)  
}
```

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(81, 161, 139) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(81, 161, 139) }
```

Border

The CSS property to change the border of an element to XYZ 20.7984, 29.1031, 28.9474 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(81, 161, 139) }
```


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

```
.border{ border-color:rgb(81, 161, 139) }
```

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

Here you see how a box with a 4 pixel `rgb(81, 161, 139)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(81, 161, 139); -webkit-box-  
shadow:4px 4px 4px 4px rgb(81, 161, 139);  
box-shadow:4px 4px 4px 4px rgb(81, 161,  
139) }
```

Background

The CSS property to change the background color of an element to XYZ 20.7984, 29.1031, 28.9474 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(81, 161, 139) }
```

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

```
.background{ background-color: rgb(81, 161,  
139) }
```

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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