

Converting Colors

XYZ(20.2442, 29.8669, 29.3654)

Have a look what the booklet for
XYZ(20.2442, 29.8669, 29.3654)
contains.

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Color

**XYZ(20.3031, 29.8937,
29.5109)**

Conversions

Conversions Part 1

Format	Color
Hex	40A58C
RGB	64, 165, 140
RGB Percent	25%, 65%, 55%
CMY	0.7490, 0.3529, 0.4510
CMYK	0.61, 0.00, 0.15, 0.35
HSL	165°, 44%, 45%
HSV	165°, 61%, 65%
XYZ	20.3031, 29.8937, 29.5109
YIQ	131.9510, -52.1710, -29.1870

Conversions

Conversions Part 2

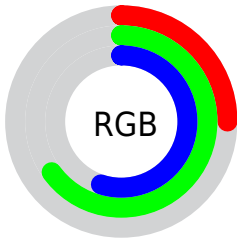
Format	Color
RYB	64, 122, 165
Decimal	4236684
CIELab	61.56, -35.43, 4.30
CIElCh	62, 35.690, 173.084
Yxy	29.8937, 0.2547, 0.3750
Android (android.graphics.Color)	4282426764 (0xFF40A58C)
YUV	131.9510, 3.9682, -59.5930
Hunter-Lab	54.6751, -29.3972, 6.2708

Details

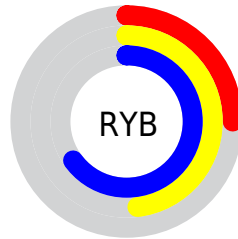
The XYZ color **20.3031, 29.8937, 29.5109** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **19.1546, 12.3882, 10.8339**, and the grayscale version is **21.9148, 23.0561, 25.1081**.

A 20% lighter version of the original color is **43.6201, 59.7455, 60.2720**, and **7.6396, 12.3265, 11.6495** is the 20% darker color. If you saturate the color by 10%, you get **19.0893, 29.3029, 27.9115**, and if you desaturate by 10%, it is **21.8472, 30.6550, 31.1855**.

Distribution



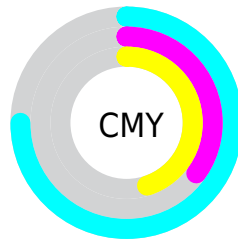
- Red (25%)
- Green (65%)
- Blue (55%)



- Red (25%)
- Yellow (48%)
- Blue (65%)



- Cyan (61%)
- Magenta (0%)
- Yellow (15%)
- Black (35%)



- Cyan (75%)
- Magenta (35%)
- Yellow (45%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.3031, 29.8937, 29.5109 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 20.3031, 29.8937, 29.5109 by changing the saturation by 10% instead.

■ 20.3031, 29.8937,
29.5109

■ 20.3031, 29.8937,
29.5109

246.3537,
301.4087, 313.7540

■ 12.7251, 19.7579,
19.2188

■ 43.4248, 59.4940,
59.9397

■ 7.3152, 12.2192,
11.6500

■ 59.6993, 79.7274,
80.9134

■ 3.7081, 6.8931,
6.3862

■ 79.6033, 104.0953,
106.2847

■ 1.5383, 3.3954,
3.0088

■ 103.5022,
132.9824, 136.4721

■ 0.3517, 1.3415,
1.0991

■ 131.7613,
166.7728, 171.8942

■ 0.0000, 0.1730,
0.0000

164.7460,

■ 0.0000, 0.0000,

205.8511, 212.9695

0.0000

202.8217,
250.6016, 260.1166

■ 20.3031, 29.8937,
29.5109

■ 20.3031, 29.8937,
29.5109

■ 19.0893, 29.3029,
27.9115

■ 21.8472, 30.6550,
31.1855

■ 18.1742, 28.8640,
26.3831

■ 23.7446, 31.5964,
32.9349

■ 17.5243, 28.5606,
24.9243

■ 26.0192, 32.7309,
34.7616

■ 17.1037, 28.3705,
23.6957

■ 28.6918, 34.0693,
36.6672

■ 31.7820, 35.6216,
38.6530

■ 35.3078, 37.3971,
40.7206

■ 39.2863, 39.4046,
42.8713

■ 43.7337, 41.6525,
45.1064

■ 48.6652, 44.1485,
47.4272

Harmonies

Analogous

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



21.7410, 29.8937, 19.2711



20.3031, 29.8937, 29.5109



20.8372, 29.8937, 43.8737

Triad

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



20.3031, 29.8937, 29.5109



32.1323, 29.8937, 62.8911



34.2367, 29.8937, 15.8428

Complementary

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



20.3031, 29.8937, 29.5109



19.1546, 12.3882, 10.8339

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.



37.6332, 29.8937, 23.3631



20.3031, 29.8937, 29.5109



36.3271, 29.8937, 50.8457

Square

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



20.3031, 29.8937, 29.5109



27.3314, 29.8937, 65.8803



38.4377, 29.8937, 35.7891



29.5229, 29.8937, 12.9270

Rectangle

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



20.3031, 29.8937, 29.5109



22.2718, 29.8937, 53.7931



38.4377, 29.8937, 35.7891



35.5907, 29.8937, 17.7958

Sweetspot

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



20.3039, 29.8949, 29.5116



52.8992, 61.7743, 66.6755



18.5253, 29.4179, 9.5528



11.2452, 13.3447, 14.3638



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

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



20.3039, 29.8949, 29.5116



33.6189, 52.2036, 49.1161



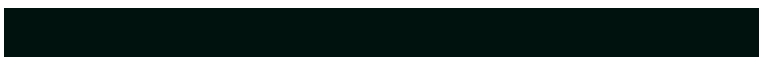
18.2484, 22.4909, 38.9780



7.2008, 7.9811, 8.6693



12.9592, 21.4700, 18.0337



0.2893, 0.4579, 0.4687

Inverse Universe

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



19.1546, 12.3882, 10.8339



31.4310, 18.1902, 13.0519



20.0366, 15.5568, 6.7977



7.1423, 7.1134, 7.7360



12.0570, 6.1788, 2.2246



0.2709, 0.1368, 0.1390

Previews

White Background



This preview shows how the XYZ color 20.3031, 29.8937, 29.5109 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 20.3031, 29.8937, 29.5109 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

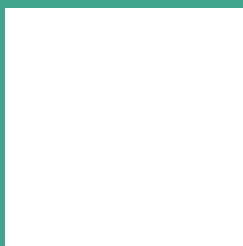
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 20.3031, 29.8937, 29.5109

Background



This preview shows how black text looks on a background with the XYZ color 20.3031, 29.8937, 29.5109.

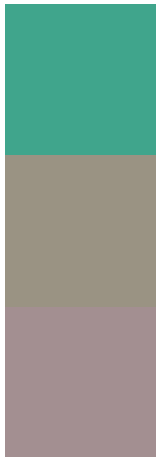


This preview shows how white text looks on a background with the XYZ color 20.3031, 29.8937,

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

20.3031, 29.8937, 29.5109

Protanopia

27.8569, 29.3762, 25.6747

Deuteranopia

30.0376, 29.4758, 30.8943



Tritanopia

23.1742, 29.7365, 44.0535

Trichromacy



Original Color

20.3031, 29.8937, 29.5109

Protanomaly

23.7438, 28.8974, 26.8806

Deuteranomaly

24.7769, 28.6284, 30.2066

Tritanomaly

22.0258, 29.7916, 38.3077

Monochromacy



Original Color

20.3031, 29.8937, 29.5109

Achromatopsia

21.9318, 23.0740, 25.1276

Achromatomaly

20.4098, 24.8216, 26.6370

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.3031, 29.8937, 29.5109 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(64, 165, 140)` looks like.

```
.text, #text, p{  
    color:rgb(64, 165, 140)  
}
```

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(64, 165, 140) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(64, 165, 140) }
```

Border

The CSS property to change the border of an element to XYZ 20.3031, 29.8937, 29.5109 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(64, 165, 140) }
```


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

```
.border{ border-color:rgb(64, 165, 140) }
```

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

Here you see how a box with a 4 pixel `rgb(64, 165, 140)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(64, 165, 140); -webkit-box-  
shadow:4px 4px 4px 4px rgb(64, 165, 140);  
box-shadow:4px 4px 4px 4px rgb(64, 165,  
140) }
```

Background

The CSS property to change the background color of an element to XYZ 20.3031, 29.8937, 29.5109 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(64, 165, 140) }
```

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

```
.background{ background-color: rgb(64, 165,  
140) }
```

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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