

Converting Colors

XYZ(19.0320, 29.2698, 27.2334)

Have a look what the booklet for
XYZ(19.0320, 29.2698, 27.2334)
contains.

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Color

**XYZ(19.0248, 29.2845,
27.2040)**

Conversions

Conversions Part 1

Format	Color
Hex	31A586
RGB	49, 165, 134
RGB Percent	19%, 65%, 53%
CMY	0.8078, 0.3529, 0.4745
CMYK	0.70, 0.00, 0.19, 0.35
HSL	164°, 54%, 42%
HSV	164°, 70%, 65%
XYZ	19.0248, 29.2845, 27.2040
YIQ	126.7820, -59.1850, -34.2330

Conversions

Conversions Part 2

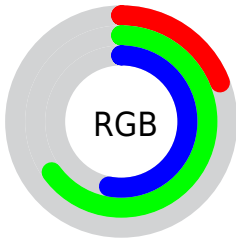
Format	Color
RYB	49, 116, 165
Decimal	3253638
CIELab	61.03, -39.55, 6.85
CIElCh	61, 40.142, 170.178
Yxy	29.2845, 0.2519, 0.3878
Android (android.graphics.Color)	4281443718 (0xFF31A586)
YUV	126.7820, 3.5585, -68.2148
Hunter-Lab	54.1152, -31.9478, 8.0752

Details

The XYZ color **19.0248, 29.2845, 27.2040** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **18.0643, 10.7758, 8.7182**, and the grayscale version is **20.1015, 21.1483, 23.0305**.

A 20% lighter version of the original color is **41.3816, 58.6803, 56.1591**, and **7.3944, 12.2284, 10.3581** is the 20% darker color. If you saturate the color by 10%, you get **18.0690, 28.8273, 25.5875**, and if you desaturate by 10%, it is **20.2864, 29.8993, 28.9031**.

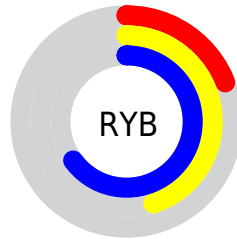
Distribution



Red (19%)

Green (65%)

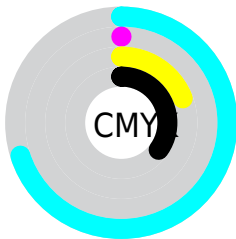
Blue (53%)



Red (19%)

Yellow (45%)

Blue (65%)

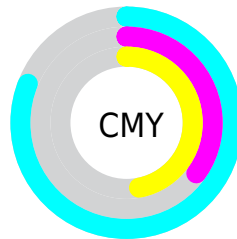


Cyan (70%)

Magenta (0%)

Yellow (19%)

Black (35%)



Cyan (81%)

Magenta (35%)

Yellow (47%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.0248, 29.2845, 27.2040 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 19.0248, 29.2845, 27.2040 by changing the saturation by 10% instead.

■ 19.0248, 29.2845,
27.2040

■ 19.0248, 29.2845,
27.2040

239.5211,
298.5549, 302.4349

■ 11.7923, 19.2961,
17.4927

■ 41.2925, 58.5288,
56.2188

■ 6.6736, 11.8845,
10.4207

■ 57.0585, 78.5535,
76.3593

■ 3.3033, 6.6651,
5.5696

■ 76.3997, 102.6925,
100.8133

■ 1.3161, 3.2535,
2.5206

■ 99.6814, 131.3301,
129.9994

■ 0.1952, 1.2655,
0.8511

■ 127.2691,
164.8508, 164.3361

■ 0.0000, 0.1142,
0.0000

159.5280,

■ 0.0000, 0.0000,

203.6389, 204.2418

0.0000

196.8236,
248.0788, 250.1352

■ 19.0248, 29.2845,
27.2040

■ 19.0248, 29.2845,
27.2040

■ 18.0690, 28.8273,
25.5875

■ 20.2864, 29.8993,
28.9031

■ 17.3827, 28.5068,
24.0492

■ 21.8800, 30.6831,
30.6848

■ 16.9010, 28.2895,
22.6282

■ 23.8318, 31.6500,
32.5518

■ 26.1646, 32.8117,
34.5059

■ 28.8991, 34.1790,
36.5489

■ 32.0548, 35.7619,
38.6824

■ 35.6497, 37.5696,
40.9080

■ 39.7008, 39.6109,
43.2272

■ 44.2241, 41.8940,
45.6414

Harmonies

Analogous

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



20.7782, 29.2845, 16.7233



19.0248, 29.2845, 27.2040



19.3931, 29.2845, 42.9346

Triad

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



19.0248, 29.2845, 27.2040



31.4635, 29.2845, 67.4494



34.8124, 29.2845, 14.4363

Complementary

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



19.0248, 29.2845, 27.2040



18.0643, 10.7758, 8.7182

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.



38.4254, 29.2845, 22.9165



19.0248, 29.2845, 27.2040



36.3297, 29.2845, 54.2156

Square

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



19.0248, 29.2845, 27.2040



26.1473, 29.2845, 69.6999



39.0132, 29.2845, 37.0762



29.5918, 29.2845, 11.0398

Rectangle

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



19.0248, 29.2845, 27.2040



20.8115, 29.2845, 54.4124



39.0132, 29.2845, 37.0762



36.2815, 29.2845, 16.6338

Sweetspot

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



19.0256, 29.2856, 27.2047



51.1880, 60.9263, 65.0499



17.4785, 28.9211, 7.5672



10.9015, 13.1749, 14.0109



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.



19.0256, 29.2856, 27.2047



31.6592, 51.2965, 44.3634



17.4176, 22.0879, 38.9441



7.1949, 7.9788, 8.6382



12.8068, 21.4091, 17.2310



0.2870, 0.4570, 0.4565

Inverse Universe

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



18.0643, 10.7758, 8.7182



29.9065, 16.1006, 9.5859



18.5300, 13.1372, 4.4652



7.1479, 7.1156, 7.7653



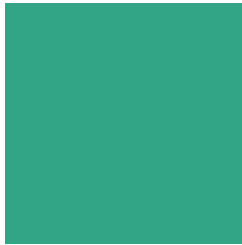
12.1025, 6.1971, 2.4644



0.2728, 0.1376, 0.1492

Previews

White Background



This preview shows how the XYZ color 19.0248, 29.2845, 27.2040 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 19.0248, 29.2845, 27.2040 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 19.0248, 29.2845, 27.2040

Background



This preview shows how black text looks on a background with the XYZ color 19.0248, 29.2845, 27.2040.



This preview shows how white text looks on a background with the XYZ color 19.0248, 29.2845,

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

19.0248, 29.2845, 27.2040

Protanopia

27.2434, 28.8830, 23.2079

Deuteranopia

29.2893, 28.7004, 28.4221



Tritanopia

22.4284, 29.3520, 44.0186

Trichromacy



Original Color

19.0248, 29.2845, 27.2040



Protanomaly

22.4900, 28.0540, 24.6517



Deuteranomaly

23.4477, 27.7564, 27.7886



Tritanomaly

21.0418, 29.3045, 37.3482

Monochromacy



Original Color

19.0248, 29.2845, 27.2040



Achromatopsia

20.1725, 21.2231, 23.1119



Achromatomaly

18.6997, 23.3141, 24.6336

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.0248, 29.2845, 27.2040 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(49, 165, 134)` looks like.

```
.text, #text, p{  
    color:rgb(49, 165, 134)  
}
```

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(49, 165, 134) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(49, 165, 134) }
```

Border

The CSS property to change the border of an element to XYZ 19.0248, 29.2845, 27.2040 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(49, 165, 134) }
```


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

```
.border{ border-color:rgb(49, 165, 134) }
```

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

Here you see how a box with a 4 pixel `rgb(49, 165, 134)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(49, 165, 134); -webkit-box-  
shadow:4px 4px 4px 4px rgb(49, 165, 134);  
box-shadow:4px 4px 4px 4px rgb(49, 165,  
134) }
```

Background

The CSS property to change the background color of an element to XYZ 19.0248, 29.2845, 27.2040 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(49, 165, 134) }
```

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

```
.background{ background-color: rgb(49, 165,  
134) }
```

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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