

Converting Colors

XYZ(18.2905, 29.8171, 22.8804)

Have a look what the booklet for
XYZ(18.2905, 29.8171, 22.8804)
contains.

XYZ(18.2905, 29.8171, 22.8804)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(18.2905, 29.8171,
22.8804)**

Conversions

Conversions Part 1

Format	Color
Hex	27A879
RGB	39, 168, 121
RGB Percent	15%, 66%, 47%
CMY	0.8470, 0.3412, 0.5255
CMYK	0.77, 0.00, 0.28, 0.34
HSL	158°, 62%, 41%
HSV	158°, 77%, 66%
XYZ	18.2905, 29.8171, 22.8804
YIQ	124.0710, -61.7970, -41.9650

Conversions

Conversions Part 2

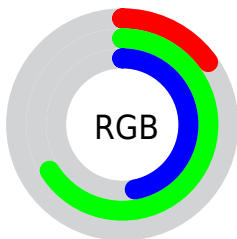
Format	Color
R _Y B	39, 118, 168
Decimal	2599033
CIE Lab	61.50, -45.37, 14.71
CIE LCh	61, 47.692, 162.035
Yxy	29.8171, 0.2577, 0.4200
Android (android.graphics.Color)	4280789113 (0xFF27A879)
YUV	124.0710, -1.5140, -74.6073
Hunter-Lab	54.6050, -35.7685, 13.3800

Details

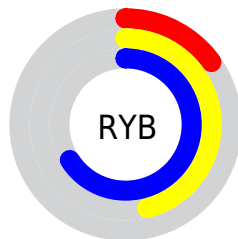
The XYZ color **18.2905, 29.8171, 22.8804** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **18.5546, 10.4484, 9.8440**, and the grayscale version is **19.2023, 20.2023, 22.0003**.

A 20% lighter version of the original color is **40.0242, 59.3317, 48.8778**, and **7.3004, 12.7293, 8.2031** is the 20% darker color. If you saturate the color by 10%, you get **17.4262, 29.4143, 20.9426**, and if you desaturate by 10%, it is **19.4619, 30.3770, 24.9582**.

Distribution



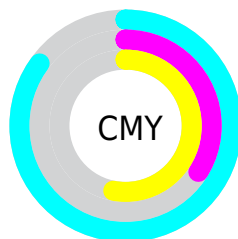
- Red (15%)
- Green (66%)
- Blue (47%)



- Red (15%)
- Yellow (46%)
- Blue (66%)



- Cyan (77%)
- Magenta (0%)
- Yellow (28%)
- Black (34%)



- Cyan (85%)
- Magenta (34%)
- Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.2905, 29.8171, 22.8804 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 18.2905, 29.8171, 22.8804 by changing the saturation by 10% instead.

■ 18.2905, 29.8171,
22.8804

■ 18.2905, 29.8171,
22.8804

235.5174,
301.0510, 280.2121

■ 11.2597, 19.6998,
14.3008

■ 40.0579, 59.3728,
49.1176

■ 6.3104, 12.1770,
8.1890

■ 55.5253, 79.5800,
67.6122

■ 3.0772, 6.8644,
4.1266

■ 74.5355, 103.9193,
90.2488

■ 1.1947, 3.3774,
1.6951

■ 97.4540, 132.7751,
117.4461

■ 0.1022, 1.3318,
0.3573

■ 124.6460,
166.5318, 149.6225

■ 0.0000, 0.1656,
0.0000

■ 156.4771,

■ 0.0000, 0.0000,

205.5737, 187.1967

0.0000

193.3124,
250.2853, 230.5870

■ 18.2905, 29.8171,
22.8804

■ 18.2905, 29.8171,
22.8804

■ 17.4262, 29.4143,
20.9426

■ 19.4619, 30.3770,
24.9582

■ 16.8182, 29.1402,
19.1383

■ 20.9715, 31.1076,
27.1779

■ 16.6460, 29.0635,
18.5847

■ 22.8489, 32.0251,
29.5435

■ 25.1198, 33.1425,
32.0584

■ 27.8077, 34.4719,
34.7257

■ 30.9339, 36.0242,
37.5486

■ 34.5183, 37.8098,
40.5298

■ 38.5797, 39.8382,
43.6723

■ 43.1356, 42.1184,
46.9786

Harmonies

Analogous

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



20.9645, 29.8171, 12.8853



18.2905, 29.8171, 22.8804



18.0489, 29.8171, 40.2676

Triad

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



18.2905, 29.8171, 22.8804



30.9475, 29.8171, 79.7167



38.3460, 29.8171, 14.3080

Complementary

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



18.2905, 29.8171, 22.8804



18.5546, 10.4484, 9.8440

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.



41.9472, 29.8171, 25.7429



18.2905, 29.8171, 22.8804



37.2701, 29.8171, 65.7368

Square

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



18.2905, 29.8171, 22.8804



24.7587, 29.8171, 78.0347



41.5265, 29.8171, 44.4120



32.2515, 29.8171, 9.3535

Rectangle

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



18.2905, 29.8171, 22.8804



19.2452, 29.8171, 54.6182



41.5265, 29.8171, 44.4120



39.9263, 29.8171, 17.2962

Sweetspot

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



18.2913, 29.8183, 22.8811



52.2757, 63.4528, 64.7028



18.2352, 30.1457, 6.7774



10.9849, 13.6271, 13.7217



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.



18.2913, 29.8183, 22.8811



30.8228, 53.0127, 35.7163



18.9399, 25.3285, 40.9379



7.6298, 8.4850, 9.0367



12.5951, 21.9568, 14.1668



0.3297, 0.5435, 0.4672

Inverse Universe

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



18.5546, 10.4484, 9.8440



31.4034, 16.2809, 11.3973



17.9394, 11.3198, 3.1592



7.6399, 7.5858, 8.4208



12.8579, 6.5519, 4.0632



0.3374, 0.1692, 0.2283

Previews

White Background



This preview shows how the XYZ color 18.2905, 29.8171, 22.8804 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 18.2905, 29.8171, 22.8804 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

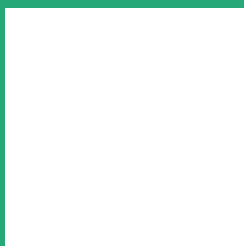
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 18.2905, 29.8171, 22.8804

Background



This preview shows how black text looks on a background with the XYZ color 18.2905, 29.8171, 22.8804.



This preview shows how white text looks on a background with the XYZ color 18.2905, 29.8171,

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

18.2905, 29.8171, 22.8804

Protanopia

27.4035, 29.2842, 19.2470

Deuteranopia

29.8660, 29.3133, 24.1626



Tritanopia

22.6316, 29.7040, 44.5850

Trichromacy



Original Color

18.2905, 29.8171, 22.8804



Protanomaly

21.8861, 28.3253, 20.5335



Deuteranomaly

22.7943, 27.7515, 23.5572



Tritanomaly

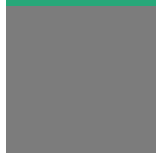
20.8227, 29.7582, 35.6568

Monochromacy



Original Color

18.2905, 29.8171, 22.8804



Achromatopsia

19.1579, 20.1556, 21.9495



Achromatomaly

17.4674, 22.5134, 22.1638

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.2905, 29.8171, 22.8804 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(39, 168, 121)` looks like.

```
.text, #text, p{  
    color:rgb(39, 168, 121)  
}
```

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(39, 168, 121) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(39, 168, 121) }
```

Border

The CSS property to change the border of an element to XYZ 18.2905, 29.8171, 22.8804 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(39, 168, 121) }
```


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

```
.border{ border-color:rgb(39, 168, 121) }
```

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

Here you see how a box with a 4 pixel `rgb(39, 168, 121)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(39, 168, 121); -webkit-box-  
shadow:4px 4px 4px 4px rgb(39, 168, 121);  
box-shadow:4px 4px 4px 4px rgb(39, 168,  
121) }
```

Background

The CSS property to change the background color of an element to XYZ 18.2905, 29.8171, 22.8804 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(39, 168, 121) }
```

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

```
.background{ background-color: rgb(39, 168,  
121) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor