

Converting Colors

XYZ(18.2727, 30.5790, 21.3803)

Have a look what the booklet for
XYZ(18.2727, 30.5790, 21.3803)
contains.

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Color

**XYZ(18.3425, 30.7101,
21.4839)**

Conversions

Conversions Part 1

Format	Color
Hex	21AB74
RGB	33, 171, 116
RGB Percent	13%, 67%, 45%
CMY	0.8706, 0.3294, 0.5451
CMYK	0.81, 0.00, 0.32, 0.33
HSL	156°, 68%, 40%
HSV	156°, 81%, 67%
XYZ	18.3425, 30.7101, 21.4839
YIQ	123.4680, -64.5930, -46.3610

Conversions

Conversions Part 2

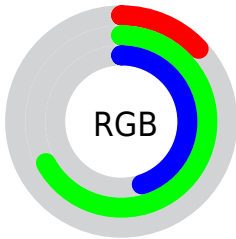
Format	Color
RYB	33, 119, 171
Decimal	2206580
CIELab	62.26, -48.40, 18.50
CIELCh	62, 51.811, 159.079
Yxy	30.7101, 0.2600, 0.4354
Android (android.graphics.Color)	4280396660 (0xFF21AB74)
YUV	123.4680, -3.6817, -79.3404
Hunter-Lab	55.4167, -37.8971, 15.8062

Details

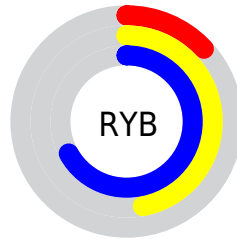
The XYZ color **18.3425, 30.7101, 21.4839** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **19.1009, 10.4509, 10.2444**, and the grayscale version is **19.0095, 19.9995, 21.7794**.

A 20% lighter version of the original color is **40.0165, 60.5901, 46.6318**, and **7.3744, 13.1278, 7.4554** is the 20% darker color. If you saturate the color by 10%, you get **17.5459, 30.3444, 19.4529**, and if you desaturate by 10%, it is **19.4478, 31.2332, 23.6826**.

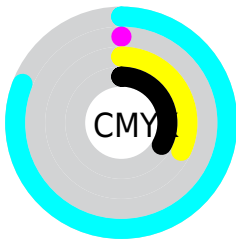
Distribution



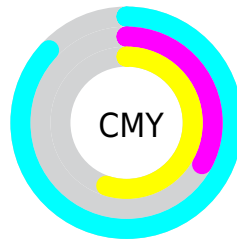
- Red (13%)
- Green (67%)
- Blue (45%)



- Red (13%)
- Yellow (47%)
- Blue (67%)



- Cyan (81%)
- Magenta (0%)
- Yellow (32%)
- Black (33%)



- Cyan (87%)
- Magenta (33%)
- Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.3425, 30.7101, 21.4839 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 18.3425, 30.7101, 21.4839 by changing the saturation by 10% instead.

■ 18.3425, 30.7101,
21.4839

■ 18.3425, 30.7101,
21.4839

235.8029,
305.2005, 272.7041

■ 11.2973, 20.3782,
13.2835

■ 40.1456, 60.7834,
46.7827

■ 6.3360, 12.6703,
7.4910

■ 55.6343, 81.2935,
64.7182

■ 3.0930, 7.2019,
3.6880

■ 74.6681, 105.9652,
86.7357

■ 1.2031, 3.5887,
1.4558

■ 97.6125, 135.1828,
113.2540

■ 0.1088, 1.4462,
0.1847

■ 124.8329,
169.3308, 144.6914

■ 0.0000, 0.2504,
0.0000

■ 156.6945,

■ 0.0000, 0.0000,

208.7934, 181.4665

0.0000

193.5627,
253.9552, 223.9979

■ 18.3425, 30.7101,
21.4839

■ 18.3425, 30.7101,
21.4839

■ 17.5459, 30.3444,
19.4529

■ 19.4478, 31.2332,
23.6826

■ 17.0040, 30.1031,
17.7060

■ 20.8970, 31.9294,
26.0517

■ 22.7230, 32.8162,
28.5966

■ 24.9539, 33.9083,
31.3214

■ 27.6151, 35.2186,
34.2302

■ 30.7300, 36.7591,
37.3270

■ 34.3199, 38.5407,
40.6155

■ 38.4051, 40.5738,
44.0992

■ 43.0044, 42.8681,
47.7818

Harmonies

Analogous

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



21.5051, 30.7101, 11.5646



18.3425, 30.7101, 21.4839



17.8207, 30.7101, 39.8919

Triad

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



18.3425, 30.7101, 21.4839



31.3632, 30.7101, 87.7171



40.9236, 30.7101, 14.5599

Complementary

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



18.3425, 30.7101, 21.4839



19.1009, 10.4509, 10.2444

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.



44.5858, 30.7101, 27.7208



18.3425, 30.7101, 21.4839



38.5147, 30.7101, 73.1361

Square

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



18.3425, 30.7101, 21.4839



24.6452, 30.7101, 83.8630



43.6401, 30.7101, 49.1637



34.2596, 30.7101, 8.8209

Rectangle

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



18.3425, 30.7101, 21.4839



18.9422, 30.7101, 55.8692



43.6401, 30.7101, 49.1637



42.5913, 30.7101, 17.9940

Sweetspot

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



18.3433, 30.7113, 21.4846



52.8582, 64.7540, 64.7425



18.8819, 31.3214, 6.4897



11.3593, 14.2286, 14.0102



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



18.3433, 30.7113, 21.4846



30.6144, 53.9857, 32.1294



20.0697, 27.4465, 42.7694



8.0991, 9.0172, 9.5468



12.8445, 22.7031, 13.4868



0.3833, 0.6420, 0.5122

Inverse Universe

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



19.1009, 10.4509, 10.2444



32.1009, 16.4306, 11.7023



18.0785, 10.7856, 2.5682



8.1325, 8.0663, 9.0087



13.4753, 6.8527, 4.8825



0.4023, 0.2016, 0.2804

Previews

White Background



This preview shows how the XYZ color 18.3425, 30.7101, 21.4839 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 18.3425, 30.7101, 21.4839 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 18.3425, 30.7101, 21.4839

Background



This preview shows how black text looks on a background with the XYZ color 18.3425, 30.7101, 21.4839.



This preview shows how white text looks on a background with the XYZ color 18.3425, 30.7101,

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

18.3425, 30.7101, 21.4839

Protanopia

28.0469, 30.1126, 17.9697

Deuteranopia

30.7197, 30.2359, 22.6294



Tritanopia

23.2798, 30.5270, 46.2603

Trichromacy



Original Color

18.3425, 30.7101, 21.4839

Protanomaly

21.8109, 28.8171, 19.1646

Deuteranomaly

22.9718, 28.6048, 22.0798

Tritanomaly

21.0739, 30.4233, 35.7719

Monochromacy



Original Color

18.3425, 30.7101, 21.4839

Achromatopsia

18.8265, 19.8069, 21.5697

Achromatomaly

16.9847, 22.2859, 21.1757

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.3425, 30.7101, 21.4839 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(33, 171, 116)` looks like.

```
.text, #text, p{  
    color:rgb(33, 171, 116)  
}
```

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(33, 171, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(33, 171, 116) }
```

Border

The CSS property to change the border of an element to XYZ 18.3425, 30.7101, 21.4839 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(33, 171, 116) }
```


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

```
.border{ border-color:rgb(33, 171, 116) }
```

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

Here you see how a box with a 4 pixel `rgb(33, 171, 116)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(33, 171, 116); -webkit-box-  
shadow:4px 4px 4px 4px rgb(33, 171, 116);  
box-shadow:4px 4px 4px 4px rgb(33, 171,  
116) }
```

Background

The CSS property to change the background color of an element to XYZ 18.3425, 30.7101, 21.4839 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(33, 171, 116) }
```

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

```
.background{ background-color: rgb(33, 171,  
116) }
```

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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