

Converting Colors

XYZ(18.2544, 30.5571, 24.4330)

Have a look what the booklet for
XYZ(18.2544, 30.5571, 24.4330)
contains.

XYZ(18.2646, 30.6065, 24.3470)	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(18.2646, 30.6065,
24.3470)**

Conversions

Conversions Part 1

Format	Color
Hex	00AB7D
RGB	0, 171, 125
RGB Percent	0%, 67%, 49%
CMY	0.9999, 0.3294, 0.5098
CMYK	1.00, 0.00, 0.27, 0.33
HSL	164°, 100%, 34%
HSV	164°, 100%, 67%
XYZ	18.2646, 30.6065, 24.3470
YIQ	114.6270, -87.1500, -50.5580

Conversions

Conversions Part 2

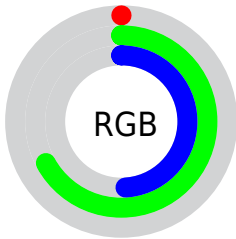
Format	Color
RYB	0, 99, 171
Decimal	43901
CIELab	62.17, -48.43, 13.39
CIELCh	62, 50.242, 164.543
Yxy	30.6065, 0.2495, 0.4180
Android (android.graphics.Color)	4278233981 (0xFF00AB7D)
YUV	114.6270, 5.1139, -100.5279
Hunter-Lab	55.3231, -37.8848, 12.6334

Details

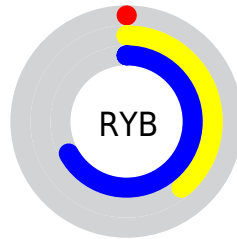
The XYZ color **18.2646, 30.6065, 24.3470** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **17.2889, 8.8560, 3.3849**, and the grayscale version is **16.1887, 17.0318, 18.5476**.

A 20% lighter version of the original color is **39.9186, 60.4278, 51.6793**, and **7.6658, 13.2444, 8.9899** is the 20% darker color. If you saturate the color by 10%, you get **18.2649, 30.6075, 24.3461**, and if you desaturate by 10%, it is **18.7993, 30.8482, 25.9428**.

Distribution



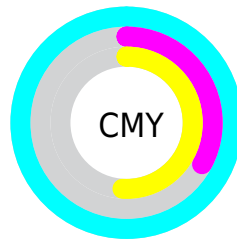
- Red (0%)
- Green (67%)
- Blue (49%)



- Red (0%)
- Yellow (39%)
- Blue (67%)



- Cyan (100%)
- Magenta (0%)
- Yellow (27%)
- Black (33%)





- Cyan (100%)
- Magenta (33%)
- Yellow (51%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 18.2646, 30.6065, 24.3470 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 18.2646, 30.6065, 24.3470 by changing the saturation by 10% instead.


 18.2646, 30.6065,
24.3470


 18.2646, 30.6065,
24.3470


235.3751,
304.7214, 287.9130


 11.2410, 20.2994,
15.3766


 40.0142, 60.6200,
51.5468


 6.2976, 12.6129,
8.9346


 55.4710, 81.0952,
70.6133


 3.0693, 7.1625,
4.6023


 74.4694, 105.7285,
93.8822

 1.1905, 3.5639,
1.9613

 97.3749, 134.9044,
121.7722

 0.0988, 1.4328,
0.5313

 124.5529,
169.0073, 154.7017

 0.0000, 0.2407,
0.0000

 156.3687,

 0.0000, 0.0000,

208.4214, 193.0894

0.0000

193.1876,
253.5313, 237.3536

■ 18.2646, 30.6065,
24.3470

■ 18.2646, 30.6065,
24.3470

■ 18.2649, 30.6075,
24.3461

■ 18.7993, 30.8482,
25.9428

■ 19.5476, 31.1976,
27.6199

■ 20.5906, 31.6973,
29.3838

■ 21.9652, 32.3664,
31.2370

■ 23.7027, 33.2208,
33.1818

■ 25.8306, 34.2749,
35.2206

■ 28.3737, 35.5413,
37.3552

■ 31.3549, 37.0318,
39.5875

■ 34.7950, 38.7572,
41.9194

Harmonies

Analogous

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



20.8842, 30.6065, 13.1957



18.2646, 30.6065, 24.3470



18.2252, 30.6065, 43.5867

Triad

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



18.2646, 30.6065, 24.3470



32.4820, 30.6065, 83.9803



39.3856, 30.6065, 13.4237

Complementary

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



18.2646, 30.6065, 24.3470



17.2889, 8.8560, 3.3849

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.



43.5918, 30.6065, 24.8158



18.2646, 30.6065, 24.3470



39.2062, 30.6065, 67.5685

Square

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



18.2646, 30.6065, 24.3470



25.7585, 30.6065, 83.6956



43.5214, 30.6065, 44.2771



32.6983, 30.6065, 8.7654

Rectangle

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



18.2646, 30.6065, 24.3470



19.6345, 30.6065, 59.2381



43.5214, 30.6065, 44.2771



41.1795, 30.6065, 16.3455

Sweetspot

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



18.2654, 30.6077, 24.3477



50.5481, 63.5176, 66.6876



15.8044, 29.7666, 4.9131



10.8398, 13.9490, 14.5188



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.



18.2654, 30.6077, 24.3477



32.6176, 54.7774, 43.1129



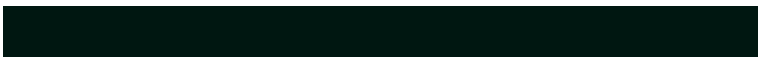
15.8702, 19.9785, 41.5493



8.1430, 9.0347, 9.7779



13.7913, 23.0818, 18.4726



0.4048, 0.6506, 0.6254

Inverse Universe

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



17.2889, 8.8560, 3.3849



30.8856, 15.8289, 5.6590



17.4589, 9.9854, 1.0077



8.0905, 8.0494, 8.7871



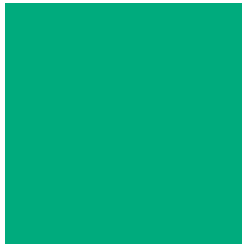
13.0518, 6.6833, 2.6523



0.3860, 0.1951, 0.1946

Previews

White Background



This preview shows how the XYZ color 18.2646, 30.6065, 24.3470 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 18.2646, 30.6065, 24.3470 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 18.2646, 30.6065, 24.3470

Background



This preview shows how black text looks on a background with the XYZ color 18.2646, 30.6065, 24.3470.



This preview shows how white text looks on a background with the XYZ color 18.2646, 30.6065,

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

18.2646, 30.6065, 24.3470

Protanopia

28.1400, 30.1036, 20.5471

Deuteranopia

30.6476, 30.1313, 25.6733



Tritanopia

22.9422, 30.6060, 46.8179

Trichromacy



Original Color

18.2646, 30.6065, 24.3470



Protanomaly

20.7536, 28.2126, 21.8045



Deuteranomaly

21.7024, 27.8843, 25.0073



Tritanomaly

20.8043, 30.5157, 37.5945

Monochromacy



Original Color

18.2646, 30.6065, 24.3470



Achromatopsia

16.2955, 17.1441, 18.6699



Achromatomaly

14.7414, 20.0763, 20.5509

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.2646, 30.6065, 24.3470 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(0, 171, 125)` looks like.

```
.text, #text, p{  
    color:rgb(0, 171, 125)  
}
```

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(0, 171, 125) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 171, 125) }
```

Border

The CSS property to change the border of an element to XYZ 18.2646, 30.6065, 24.3470 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(0, 171, 125) }
```


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

```
.border{ border-color:rgb(0, 171, 125) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 171, 125)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 171, 125); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 171, 125);  
box-shadow:4px 4px 4px 4px rgb(0, 171,  
125) }
```

Background

The CSS property to change the background color of an element to XYZ 18.2646, 30.6065, 24.3470 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 171, 125) }
```

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

```
.background{ background-color: rgb(0, 171,  
125) }
```

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