

Converting Colors

XYZ(18.1965, 30.3809, 24.5999)

Have a look what the booklet for
XYZ(18.1965, 30.3809, 24.5999)
contains.

XYZ(18.1406, 30.2558, 24.6225)	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(18.1406, 30.2558,
24.6225)**

Conversions

Conversions Part 1

Format	Color
Hex	00AA7E
RGB	0, 170, 126
RGB Percent	0%, 67%, 49%
CMY	0.9999, 0.3333, 0.5059
CMYK	1.00, 0.00, 0.26, 0.33
HSL	164°, 100%, 33%
HSV	164°, 100%, 67%
XYZ	18.1406, 30.2558, 24.6225
YIQ	114.1540, -87.1960, -49.7240

Conversions

Conversions Part 2

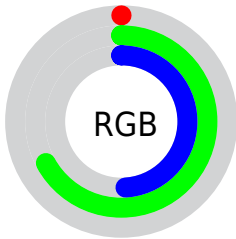
Format	Color
RYB	0, 98, 170
Decimal	43646
CIELab	61.87, -47.79, 12.42
CIELCh	62, 49.375, 165.434
Yxy	30.2558, 0.2484, 0.4144
Android (android.graphics.Color)	4278233726 (0xFF00AA7E)
YUV	114.1540, 5.8401, -100.1131
Hunter-Lab	55.0053, -37.3904, 11.9632

Details

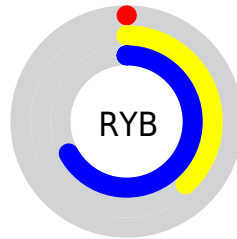
The XYZ color **18.1406, 30.2558, 24.6225** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **17.0332, 8.7286, 3.1714**, and the grayscale version is **16.0439, 16.8794, 18.3816**.

A 20% lighter version of the original color is **39.7467, 59.9227, 52.1192**, and **7.7008, 13.2584, 9.1744** is the 20% darker color. If you saturate the color by 10%, you get **18.1410, 30.2568, 24.6219**, and if you desaturate by 10%, it is **18.6630, 30.4923, 26.1628**.

Distribution



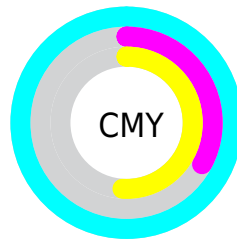
- Red (0%)
- Green (67%)
- Blue (49%)



- Red (0%)
- Yellow (38%)
- Blue (67%)



- Cyan (100%)
- Magenta (0%)
- Yellow (26%)
- Black (33%)





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

Brightness & Saturation Gradients


These gradients show how the XYZ color 18.1406, 30.2558, 24.6225 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 18.1406, 30.2558, 24.6225 by changing the saturation by 10% instead.


 18.1406, 30.2558,
24.6225


 18.1406, 30.2558,
24.6225


234.6926,
303.0950, 289.3400


 11.1513, 20.0328,
15.5796


 39.8050, 60.0665,
52.0006


 6.2367, 12.4189,
9.0760


 55.2107, 80.4230,
71.1729


 3.0316, 7.0296,
4.6933


 74.1527, 104.9261,
94.5588

 1.1705, 3.4806,
2.0129

 96.9961, 133.9602,
122.5767

 0.0829, 1.3875,
0.5632

 124.1065,
167.9098, 155.6452

 0.0000, 0.2075,
0.0000

 155.8492,

 0.0000, 0.0000,

207.1592, 194.1829

0.0000

192.5894,
252.0928, 238.6083

■ 18.1406, 30.2558,
24.6225

■ 18.1406, 30.2558,
24.6225

■ 18.1410, 30.2568,
24.6219

■ 18.6630, 30.4923,
26.1628

■ 19.3947, 30.8345,
27.7783

■ 20.4163, 31.3247,
29.4742

■ 21.7640, 31.9815,
31.2529

■ 23.4686, 32.8208,
33.1168

■ 25.5572, 33.8565,
35.0677

■ 28.0544, 35.1012,
37.1077

■ 30.9824, 36.5666,
39.2384

■ 34.3621, 38.2632,
41.4616

Harmonies

Analogous

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



20.6306, 30.2558, 13.4552



18.1406, 30.2558, 24.6225



18.1772, 30.2558, 43.5929

Triad

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



18.1406, 30.2558, 24.6225



32.2684, 30.2558, 81.8619



38.6131, 30.2558, 13.2420

Complementary

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



18.1406, 30.2558, 24.6225



17.0332, 8.7286, 3.1714

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.



42.8061, 30.2558, 24.1870



18.1406, 30.2558, 24.6225



38.7788, 30.2558, 65.5940

Square

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



18.1406, 30.2558, 24.6225



25.6824, 30.2558, 82.1237



42.8710, 30.2558, 42.9550



32.0682, 30.2558, 8.8022

Rectangle

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



18.1406, 30.2558, 24.6225



19.6072, 30.2558, 58.8257



42.8710, 30.2558, 42.9550



40.3856, 30.2558, 16.0457

Sweetspot

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



18.1414, 30.2570, 24.6232



50.6296, 63.5503, 67.1168



15.4727, 29.3163, 4.8435



10.8601, 13.9571, 14.6257



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.



18.1414, 30.2570, 24.6232



32.8207, 54.8586, 44.1822



15.2839, 18.9580, 40.8853



7.6634, 8.4984, 9.2135



13.3678, 22.2659, 18.2357



0.3444, 0.5494, 0.5443

Inverse Universe

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



17.0332, 8.7286, 3.1714



30.8275, 15.8056, 5.3528



17.3262, 10.0424, 1.0256



7.6079, 7.5730, 8.2522



12.5491, 6.4284, 2.4372



0.3256, 0.1645, 0.1662

Previews

White Background



This preview shows how the XYZ color 18.1406, 30.2558, 24.6225 looks on a white background.

Color Contrast Check

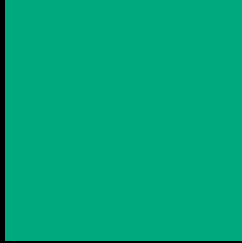
Large Text (above 18pt) WCAG AA × Fail

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 18.1406, 30.2558, 24.6225 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 18.1406, 30.2558, 24.6225

Background



This preview shows how black text looks on a background with the XYZ color 18.1406, 30.2558, 24.6225.



This preview shows how white text looks on a background with the XYZ color 18.1406, 30.2558,

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

18.1406, 30.2558, 24.6225

Protanopia

27.8428, 29.7099, 20.7901

Deuteranopia

30.3495, 29.7459, 25.9717



Tritanopia

22.6086, 30.1809, 46.2289

Trichromacy



Original Color

18.1406, 30.2558, 24.6225



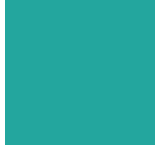
Protanomaly

20.6455, 27.8997, 22.0664



Deuteranomaly

21.6048, 27.5823, 25.3043



Tritanomaly

20.5009, 30.0984, 37.0768

Monochromacy



Original Color

18.1406, 30.2558, 24.6225



Achromatopsia

15.9940, 16.8269, 18.3245



Achromatomaly

14.5428, 19.7747, 20.1899

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.1406, 30.2558, 24.6225 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, 170, 126)` looks like.

```
.text, #text, p{  
    color:rgb(0, 170, 126)  
}
```

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, 170, 126) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 170, 126) }
```

Border

The CSS property to change the border of an element to XYZ 18.1406, 30.2558, 24.6225 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, 170, 126) }
```


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

```
.border{ border-color:rgb(0, 170, 126) }
```

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

Here you see how a box with a 4 pixel rgb(0, 170, 126) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 170, 126); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 170, 126);  
box-shadow:4px 4px 4px 4px rgb(0, 170,  
126) }
```

Background

The CSS property to change the background color of an element to XYZ 18.1406, 30.2558, 24.6225 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 170, 126) }
```

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

```
.background{ background-color: rgb(0, 170,  
126) }
```

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