

Converting Colors

XYZ(14.7619, 28.8114, 24.5763)

Have a look what the booklet for
XYZ(14.7619, 28.8114, 24.5763)
contains.

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Color

**XYZ(18.3288, 30.6322,
24.6852)**

Conversions

Conversions Part 1

Format	Color
Hex	00AB7E
RGB	0, 171, 126
RGB Percent	0%, 67%, 49%
CMY	0.9999, 0.3294, 0.5059
CMYK	1.00, 0.00, 0.26, 0.33
HSL	164°, 100%, 34%
HSV	164°, 100%, 67%
XYZ	18.3288, 30.6322, 24.6852
YIQ	114.7410, -87.4710, -50.2470

Conversions

Conversions Part 2

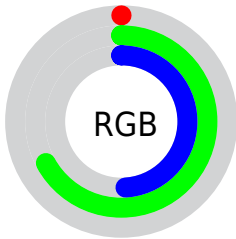
Format	Color
RYB	0, 98, 171
Decimal	43902
CIELab	62.20, -48.18, 12.87
CIELCh	62, 49.871, 165.046
Yxy	30.6322, 0.2489, 0.4159
Android (android.graphics.Color)	4278233982 (0xFF00AB7E)
YUV	114.7410, 5.5507, -100.6279
Hunter-Lab	55.3464, -37.7431, 12.2983

Details

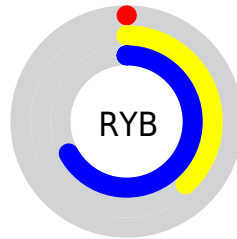
The XYZ color **18.3288, 30.6322, 24.6852** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **17.2693, 8.8482, 3.2819**, and the grayscale version is **16.2217, 17.0665, 18.5854**.

A 20% lighter version of the original color is **40.0194, 60.4682, 52.2101**, and **7.7008, 13.2584, 9.1744** is the 20% darker color. If you saturate the color by 10%, you get **18.3292, 30.6332, 24.6846**, and if you desaturate by 10%, it is **18.8597, 30.8724, 26.2611**.

Distribution



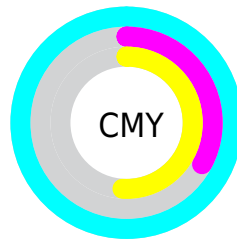
- Red (0%)
- Green (67%)
- Blue (49%)



- 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 18.3288, 30.6322, 24.6852 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 18.3288, 30.6322, 24.6852 by changing the saturation by 10% instead.


 18.3288, 30.6322,
24.6852


 18.3288, 30.6322,
24.6852


235.7278,
304.8403, 289.6639


 11.2874, 20.3189,
15.6258


 40.1225, 60.6605,
52.1038


 6.3292, 12.6271,
9.1083


 55.6055, 81.1444,
71.3001


 3.0888, 7.1723,
4.7141


 74.6332, 105.7873,
94.7125

 1.2009, 3.5701,
2.0247

 97.5708, 134.9735,
122.7594

 0.1071, 1.4361,
0.5704

 124.7837,
169.0875, 155.8595

 0.0000, 0.2431,
0.0000

 156.6372,

 0.0000, 0.0000,

208.5138, 194.4312

0.0000

193.4968,
253.6365, 238.8932

■ 18.3288, 30.6322,
24.6852

■ 18.3288, 30.6322,
24.6852

■ 18.3292, 30.6332,
24.6846

■ 18.8597, 30.8724,
26.2611

■ 19.6036, 31.2200,
27.9154

■ 20.6417, 31.7178,
29.6535

■ 22.0108, 32.3846,
31.4778

■ 23.7421, 33.2366,
33.3906

■ 25.8632, 34.2879,
35.3941

■ 28.3990, 35.5514,
37.4902

■ 31.3721, 37.0387,
39.6808

■ 34.8036, 38.7606,
41.9676

Harmonies

Analogous

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



20.8934, 30.6322, 13.4417



18.3288, 30.6322, 24.6852



18.3328, 30.6322, 43.9139

Triad

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



18.3288, 30.6322, 24.6852



32.6005, 30.6322, 83.3856



39.2339, 30.6322, 13.4187

Complementary

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



18.3288, 30.6322, 24.6852



17.2693, 8.8482, 3.2819

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.



43.4639, 30.6322, 24.6380



18.3288, 30.6322, 24.6852



39.2519, 30.6322, 66.9338

Square

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



18.3288, 30.6322, 24.6852



25.9059, 30.6322, 83.4141



43.4709, 30.6322, 43.8445



32.5787, 30.6322, 8.8513

Rectangle

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



18.3288, 30.6322, 24.6852



19.7644, 30.6322, 59.4415



43.4709, 30.6322, 43.8445



41.0289, 30.6322, 16.2943

Sweetspot

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



18.3296, 30.6334, 24.6859



50.5949, 63.5364, 66.9339



15.6728, 29.6988, 4.9068



10.8514, 13.9537, 14.5801



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.



18.3296, 30.6334, 24.6859



32.7338, 54.8239, 43.7248



15.4816, 19.2015, 41.4198



8.1450, 9.0355, 9.7884



13.8395, 23.1011, 18.7263



0.4059, 0.6510, 0.6309

Inverse Universe

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



17.2693, 8.8482, 3.2819



30.8519, 15.8154, 5.4815



17.5511, 10.1699, 1.0384



8.0886, 8.0487, 8.7772



13.0368, 6.6773, 2.5734



0.3853, 0.1948, 0.1907

Previews

White Background



This preview shows how the XYZ color 18.3288, 30.6322, 24.6852 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 18.3288, 30.6322, 24.6852 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

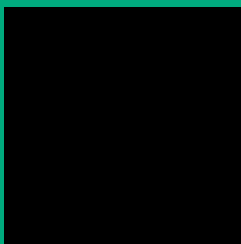
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

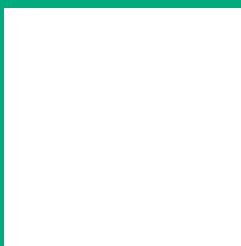
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 18.3288, 30.6322, 24.6852

Background



This preview shows how black text looks on a background with the XYZ color 18.3288, 30.6322, 24.6852.



This preview shows how white text looks on a background with the XYZ color 18.3288, 30.6322,

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

18.3288, 30.6322, 24.6852

Protanopia

28.1979, 30.1268, 20.8519

Deuteranopia

30.7157, 30.1585, 26.0321



Tritanopia

22.9422, 30.6060, 46.8179

Trichromacy



Original Color

18.3288, 30.6322, 24.6852



Protanomaly

20.8140, 28.2367, 22.1225



Deuteranomaly

21.7692, 27.9111, 25.3591



Tritanomaly

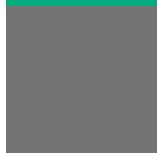
20.8043, 30.5157, 37.5945

Monochromacy



Original Color

18.3288, 30.6322, 24.6852



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 18.3288, 30.6322, 24.6852 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, 126)` looks like.

```
.text, #text, p{  
    color:rgb(0, 171, 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, 171, 126) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 171, 126) }
```

Border

The CSS property to change the border of an element to XYZ 18.3288, 30.6322, 24.6852 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, 126) }
```


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

```
.border{ border-color:rgb(0, 171, 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, 171, 126)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 171, 126); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 171, 126);  
box-shadow:4px 4px 4px 4px rgb(0, 171,  
126) }
```

Background

The CSS property to change the background color of an element to XYZ 18.3288, 30.6322, 24.6852 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, 126) }
```

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

```
.background{ background-color: rgb(0, 171,  
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](#).

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