

Converting Colors

XYZ(14.6420, 28.4333, 25.7077)

Have a look what the booklet for
XYZ(14.6420, 28.4333, 25.7077)
contains.

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Color

**XYZ(18.4040, 30.3612,
26.0094)**

Conversions

Conversions Part 1

Format	Color
Hex	00AA82
RGB	0, 170, 130
RGB Percent	0%, 67%, 51%
CMY	0.9999, 0.3333, 0.4902
CMYK	1.00, 0.00, 0.24, 0.33
HSL	166°, 100%, 33%
HSV	166°, 100%, 67%
XYZ	18.4040, 30.3612, 26.0094
YIQ	114.6100, -88.4800, -48.4800

Conversions

Conversions Part 2

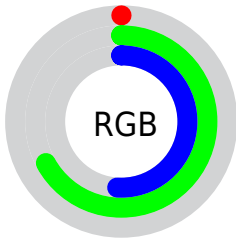
Format	Color
RYB	0, 96, 170
Decimal	43650
CIELab	61.96, -46.79, 10.33
CIELCh	62, 47.916, 167.554
Yxy	30.3612, 0.2461, 0.4060
Android (android.graphics.Color)	4278233730 (0xFF00AA82)
YUV	114.6100, 7.5873, -100.5130
Hunter-Lab	55.1010, -36.8069, 10.5840

Details

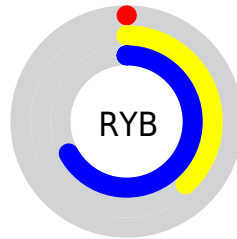
The XYZ color **18.4040, 30.3612, 26.0094** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **16.9617, 8.7000, 2.7943**, and the grayscale version is **16.1765, 17.0189, 18.5336**.

A 20% lighter version of the original color is **40.1572, 60.0869, 54.2812**, and **7.8465, 13.3167, 9.9414** is the 20% darker color. If you saturate the color by 10%, you get **18.4044, 30.3622, 26.0088**, and if you desaturate by 10%, it is **18.9099, 30.5911, 27.4630**.

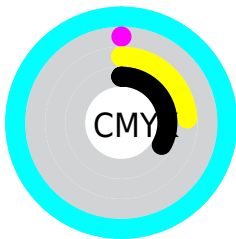
Distribution



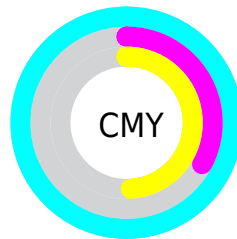
- Red (0%)
- Green (67%)
- Blue (51%)



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



- Cyan (100%)
- Magenta (0%)
- Yellow (24%)
- Black (33%)



- Cyan (100%)
- Magenta (33%)
- Yellow (49%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.4040, 30.3612, 26.0094 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 18.4040, 30.3612, 26.0094 by changing the saturation by 10% instead.

■ 18.4040, 30.3612,
26.0094

■ 18.4040, 30.3612,
26.0094

■ 236.1402,
303.5845, 296.4352

■ 11.3419, 20.1129,
16.6048

■ 40.2492, 60.2329,
54.2744

■ 6.3663, 12.4771,
9.7942

■ 55.7631, 80.6252,
73.9719

■ 3.1118, 7.0695,
5.1589

■ 74.8248, 105.1675,
97.9375

■ 1.2132, 3.5056,
2.2804

■ 97.7999, 134.2443,
126.5896

■ 0.1167, 1.4010,
0.7202

■ 125.0536,
168.2400, 160.3469

■ 0.0000, 0.2175,
0.0000

■ 156.9513,

■ 0.0000, 0.0000,

207.5390, 199.6279

0.0000

193.8584,
252.5257, 244.8512

■ 18.4040, 30.3612,
26.0094

■ 18.4040, 30.3612,
26.0094

■ 18.4044, 30.3622,
26.0088

■ 18.9099, 30.5911,
27.4630

■ 19.6231, 30.9259,
28.9808

■ 20.6241, 31.4079,
30.5677

■ 21.9489, 32.0555,
32.2261

■ 23.6285, 32.8848,
33.9579

■ 25.6899, 33.9096,
35.7650

■ 28.1575, 35.1425,
37.6492

■ 31.0536, 36.5951,
39.6119

■ 34.3991, 38.2780,
41.6547

Harmonies

Analogous

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



20.6735, 30.3612, 14.4788



18.4040, 30.3612, 26.0094



18.6158, 30.3612, 44.9078

Triad

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



18.4040, 30.3612, 26.0094



32.7428, 30.3612, 79.5172



38.0157, 30.3612, 13.2316

Complementary

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



18.4040, 30.3612, 26.0094



16.9617, 8.7000, 2.7943

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.



42.2990, 30.3612, 23.5012



18.4040, 30.3612, 26.0094



38.9581, 30.3612, 63.1174

Square

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



18.4040, 30.3612, 26.0094



26.2779, 30.3612, 80.9900



42.6674, 30.3612, 41.2777



31.6004, 30.3612, 9.1591

Rectangle

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



18.4040, 30.3612, 26.0094



20.1359, 30.3612, 59.6261



42.6674, 30.3612, 41.2777



39.7913, 30.3612, 15.8533

Sweetspot

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



18.4048, 30.3624, 26.0101



50.8192, 63.6261, 68.1151



15.3513, 29.2537, 4.8379



10.9074, 13.9760, 14.8746



82.5889, 86.8899, 94.6231



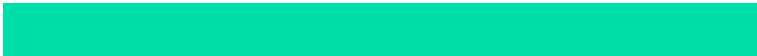
15.4596, 16.2647, 17.7123

Same Dimension

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



18.4048, 30.3624, 26.0101



33.3035, 55.0517, 46.7248



14.9111, 18.2123, 40.7611



7.6709, 8.5014, 9.2532



13.5603, 22.3429, 19.2491



0.3478, 0.5508, 0.5626

Inverse Universe

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



16.9617, 8.7000, 2.7943



30.7028, 15.7557, 4.6961



17.4245, 10.2389, 1.0584



7.6008, 7.5702, 8.2149



12.4951, 6.4068, 2.1529



0.3230, 0.1635, 0.1524

Previews

White Background



This preview shows how the XYZ color 18.4040, 30.3612, 26.0094 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 18.4040, 30.3612, 26.0094 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

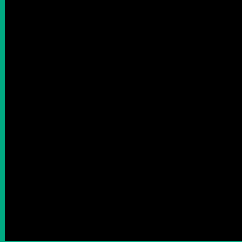
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 18.4040, 30.3612, 26.0094

Background



This preview shows how black text looks on a background with the XYZ color 18.4040, 30.3612, 26.0094.



This preview shows how white text looks on a background with the XYZ color 18.4040, 30.3612,

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

18.4040, 30.3612, 26.0094

Protanopia

28.0806, 29.8050, 22.0422

Deuteranopia

30.4148, 29.7473, 27.4313



Tritanopia

22.7326, 30.5095, 46.2858

Trichromacy



Original Color

18.4040, 30.3612, 26.0094



Protanomaly

20.8934, 27.9989, 23.3719



Deuteranomaly

21.7577, 27.6295, 26.7405



Tritanomaly

20.6411, 30.1506, 37.9895

Monochromacy



Original Color

18.4040, 30.3612, 26.0094



Achromatopsia

16.2955, 17.1441, 18.6699



Achromatomaly

14.8018, 20.1005, 20.8689

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.4040, 30.3612, 26.0094 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, 130)` looks like.

```
.text, #text, p{  
    color:rgb(0, 170, 130)  
}
```

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, 130) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 170, 130) }
```

Border

The CSS property to change the border of an element to XYZ 18.4040, 30.3612, 26.0094 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, 130) }
```


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

```
.border{ border-color:rgb(0, 170, 130) }
```

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, 130)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 170, 130); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 170, 130);  
box-shadow:4px 4px 4px 4px rgb(0, 170,  
130) }
```

Background

The CSS property to change the background color of an element to XYZ 18.4040, 30.3612, 26.0094 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, 130) }
```

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

```
.background{ background-color: rgb(0, 170,  
130) }
```

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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