

Converting Colors

XYZ(13.2888, 24.8441, 34.8579)

Have a look what the booklet for
XYZ(13.2888, 24.8441, 34.8579)
contains.

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Color

**XYZ(18.4035, 27.4747,
34.9050)**

Conversions

Conversions Part 1

Format	Color
Hex	00A09A
RGB	0, 160, 154
RGB Percent	0%, 63%, 60%
CMY	0.9999, 0.3725, 0.3961
CMYK	1.00, 0.00, 0.04, 0.37
HSL	178°, 100%, 31%
HSV	178°, 100%, 63%
XYZ	18.4035, 27.4747, 34.9050
YIQ	111.4760, -93.4340, -35.7860

Conversions

Conversions Part 2

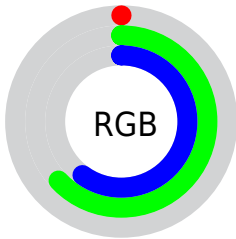
Format	Color
RYB	0, 82, 160
Decimal	41114
CIELab	59.41, -35.79, -6.86
CIELCh	59, 36.438, 190.852
Yxy	27.4747, 0.2278, 0.3401
Android (android.graphics.Color)	4278231194 (0xFF00A09A)
YUV	111.4760, 20.9643, -97.7645
Hunter-Lab	52.4163, -29.0568, -2.7909

Details

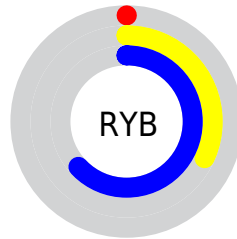
The XYZ color **18.4035, 27.4747, 34.9050** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **14.5309, 7.4875, 0.8523**, and the grayscale version is **15.2103, 16.0024, 17.4267**.

A 20% lighter version of the original color is **40.0992, 55.4303, 68.2602**, and **7.8107, 11.7044, 14.6795** is the 20% darker color. If you saturate the color by 10%, you get **18.4040, 27.4756, 34.9053**, and if you desaturate by 10%, it is **18.6682, 27.6060, 35.1797**.

Distribution



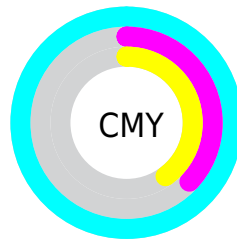
- Red (0%)
- Green (63%)
- Blue (60%)



- Red (0%)
- Yellow (32%)
- Blue (63%)



- Cyan (100%)
- Magenta (0%)
- Yellow (4%)
- Black (37%)



- Cyan (100%)
- Magenta (37%)
- Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 18.4035, 27.4747, 34.9050 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 18.4035, 27.4747, 34.9050 by changing the saturation by 10% instead.


 18.4035, 27.4747,
34.9050


 18.4035, 27.4747,
34.9050


236.1375,
289.9482, 339.0403

 11.3415, 17.9301,
23.3067


 40.2484, 55.6447,
68.4885


 6.3660, 10.8998,
14.6127


 55.7620, 75.0388,
91.3108


 3.1117, 5.9995,
8.4045


 74.8236, 98.4849,
118.7115

 1.2131, 2.8448,
4.2634

 97.7984, 126.3673,
151.1092

 0.1167, 1.0512,
1.7709

 125.0518,
159.0704, 188.9223

 0.0000, 0.0000,
0.4087

 156.9492,

 0.0000, 0.0000,

196.9787, 232.5696

0.0000

193.8560,
240.4765, 282.4694

■ 18.4035, 27.4747,
34.9050

■ 18.4035, 27.4747,
34.9050

■ 18.4040, 27.4756,
34.9053

■ 18.6682, 27.6060,
35.1797

■ 19.1009, 27.8232,
35.4628

■ 19.7752, 28.1650,
35.7587

■ 20.7219, 28.6471,
36.0685

■ 21.9674, 29.2833,
36.3937

■ 23.5349, 30.0854,
36.7352

■ 25.4452, 31.0643,
37.0942

■ 27.7177, 32.2298,
37.4713

■ 30.3700, 33.5911,
37.8676

Harmonies

Analogous

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



18.6651, 27.4747, 22.4006



18.4035, 27.4747, 34.9050



20.0184, 27.4747, 49.5673

Triad

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



18.4035, 27.4747, 34.9050



32.2899, 27.4747, 53.2577



29.1017, 27.4747, 11.8905

Complementary

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



18.4035, 27.4747, 34.9050



14.5309, 7.4875, 0.8523

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.



33.3359, 27.4747, 16.2950



18.4035, 27.4747, 34.9050



35.3198, 27.4747, 38.9467

Square

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



18.4035, 27.4747, 34.9050



27.8025, 27.4747, 62.0397



35.7234, 27.4747, 25.4253



24.4950, 27.4747, 11.3887

Rectangle

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



18.4035, 27.4747, 34.9050



22.0657, 27.4747, 57.6970



35.7234, 27.4747, 25.4253



30.6292, 27.4747, 12.8867

Sweetspot

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



18.4043, 27.4757, 34.9057



45.9765, 56.2876, 67.3107



12.6717, 25.1943, 4.1957



9.7697, 12.1840, 14.7052



76.7382, 80.7346, 87.9200



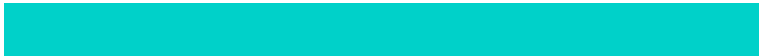
13.3056, 13.9985, 15.2444

Same Dimension

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



18.4043, 27.4757, 34.9057



33.3978, 49.8791, 63.2838



9.8363, 9.5195, 34.5779



6.8111, 7.5052, 8.4398



14.3397, 21.4038, 27.2095



0.2594, 0.3839, 0.5022

Inverse Universe

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



14.5309, 7.4875, 0.8523



26.3658, 13.5871, 1.4582



16.8160, 12.1103, 1.4518



6.6426, 6.6500, 6.9693



11.3224, 5.8335, 0.6831



0.2051, 0.1054, 0.0260

Previews

White Background



This preview shows how the XYZ color 18.4035, 27.4747, 34.9050 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 18.4035, 27.4747, 34.9050 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 × Fail

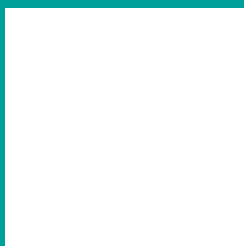
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 18.4035, 27.4747, 34.9050

Background



This preview shows how black text looks on a background with the XYZ color 18.4035, 27.4747, 34.9050.



This preview shows how white text looks on a background with the XYZ color 18.4035, 27.4747,

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

18.4035, 27.4747, 34.9050

Protanopia

26.1325, 27.2585, 29.8707

Deuteranopia

27.5592, 26.9761, 36.5553



Tritanopia

20.1422, 27.6961, 42.3145

Trichromacy



Original Color

18.4035, 27.4747, 34.9050

Protanomaly

20.4275, 25.8768, 31.5218

Deuteranomaly

20.9808, 25.3718, 35.6897

Tritanomaly

19.4299, 27.6472, 39.4343

Monochromacy



Original Color

18.4035, 27.4747, 34.9050

Achromatopsia

15.1092, 15.8961, 17.3108

Achromatomaly

14.2796, 18.5724, 22.9109

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.4035, 27.4747, 34.9050 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, 160, 154)` looks like.

```
.text, #text, p{  
    color:rgb(0, 160, 154)  
}
```

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, 160, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 160, 154) }
```

Border

The CSS property to change the border of an element to XYZ 18.4035, 27.4747, 34.9050 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, 160, 154) }
```


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

```
.border{ border-color:rgb(0, 160, 154) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 160, 154)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 160, 154); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 160, 154);  
box-shadow:4px 4px 4px 4px rgb(0, 160,  
154) }
```

Background

The CSS property to change the background color of an element to XYZ 18.4035, 27.4747, 34.9050 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 160, 154) }
```

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

```
.background{ background-color: rgb(0, 160,  
154) }
```

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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