

Converting Colors

XYZ(18.7470, 27.4240, 33.5834)

Have a look what the booklet for
XYZ(18.7470, 27.4240, 33.5834)
contains.

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Color

**XYZ(18.7470, 27.4240,
33.5834)**

Conversions

Conversions Part 1

Format	Color
Hex	259F97
RGB	37, 159, 151
RGB Percent	15%, 62%, 59%
CMY	0.8549, 0.3765, 0.4078
CMYK	0.77, 0.00, 0.05, 0.38
HSL	176°, 62%, 38%
HSV	176°, 77%, 62%
XYZ	18.7470, 27.4240, 33.5834
YIQ	121.6100, -70.1440, -28.3520

Conversions

Conversions Part 2

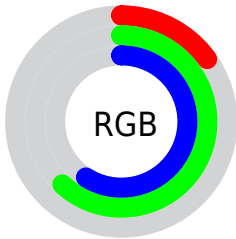
Format	Color
RYB	37, 100, 159
Decimal	2465687
CIELab	59.36, -33.80, -5.19
CIELCh	59, 34.194, 188.731
Yxy	27.4240, 0.2351, 0.3439
Android (android.graphics.Color)	4280655767 (0xFF259F97)
YUV	121.6100, 14.4893, -74.2030
Hunter-Lab	52.3679, -27.7433, -1.3650

Details

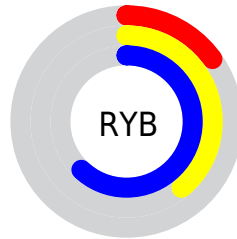
The XYZ color **18.7470, 27.4240, 33.5834** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **15.4342, 8.8843, 3.3849**, and the grayscale version is **18.3434, 19.2987, 21.0163**.

A 20% lighter version of the original color is **40.7749, 55.4440, 66.3103**, and **7.5579, 11.4355, 13.8655** is the 20% darker color. If you saturate the color by 10%, you get **18.2118, 27.1585, 33.1187**, and if you desaturate by 10%, it is **19.5330, 27.8200, 34.0649**.

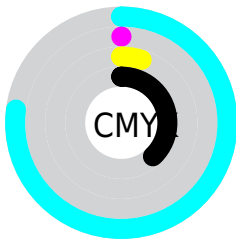
Distribution



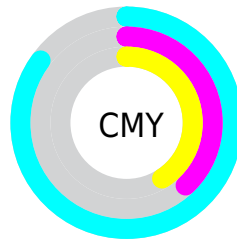
- Red (15%)
- Green (62%)
- Blue (59%)



- Red (15%)
- Yellow (39%)
- Blue (62%)



- Cyan (77%)
- Magenta (0%)
- Yellow (5%)
- Black (38%)



- Cyan (85%)
- Magenta (38%)
- Yellow (41%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.7470, 27.4240, 33.5834 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 18.7470, 27.4240, 33.5834 by changing the saturation by 10% instead.

■ 18.7470, 27.4240,
33.5834

■ 18.7470, 27.4240,
33.5834

238.0135,
289.7042, 332.9827

■ 11.5905, 17.8919,
22.2990

■ 40.8263, 55.5635,
66.4118

■ 6.5357, 10.8724,
13.8763

■ 56.4799, 74.9397,
88.7928

■ 3.2172, 5.9811,
7.8969

■ 75.6966, 98.3661,
115.7098

■ 1.2696, 2.8336,
3.9422

■ 98.8417, 126.2270,
147.5812

■ 0.1603, 1.0455,
1.5937

■ 126.2805,
158.9069, 184.8257

■ 0.0000, 0.0000,
0.2863

■ 158.3786,

■ 0.0000, 0.0000,

196.7901, 227.8617

0.0000

195.5011,
240.2611, 277.1079

■ 18.7470, 27.4240,
33.5834

■ 18.7470, 27.4240,
33.5834

■ 18.2118, 27.1585,
33.1187

■ 19.5330, 27.8200,
34.0649

■ 17.8818, 26.9980,
32.6670

■ 20.5962, 28.3582,
34.5627

■ 17.7894, 26.9535,
32.5206

■ 21.9620, 29.0523,
35.0787

■ 23.6526, 29.9137,
35.6137

■ 25.6879, 30.9528,
36.1688

■ 28.0863, 32.1789,
36.7449

■ 30.8649, 33.6010,
37.3428

■ 34.0397, 35.2272,
37.9631

■ 37.6257, 37.0653,
38.6067

Harmonies

Analogous

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



19.1230, 27.4240, 22.0993



18.7470, 27.4240, 33.5834



20.1575, 27.4240, 47.1710

Triad

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



18.7470, 27.4240, 33.5834



31.5623, 27.4240, 52.2829



29.1669, 27.4240, 12.8390

Complementary

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



18.7470, 27.4240, 33.5834



15.4342, 8.8843, 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.



33.0284, 27.4240, 17.4060



18.7470, 27.4240, 33.5834



34.5133, 27.4240, 39.2534

Square

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



18.7470, 27.4240, 33.5834



27.3353, 27.4240, 59.7464



35.0773, 27.4240, 26.4226



24.8360, 27.4240, 12.0948

Rectangle

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



18.7470, 27.4240, 33.5834



22.0224, 27.4240, 54.8813



35.0773, 27.4240, 26.4226



30.5758, 27.4240, 13.9032

Sweetspot

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



18.7478, 27.4250, 33.5841



47.3420, 56.1158, 65.1078



13.8210, 25.4919, 5.9429



10.3588, 12.4906, 14.5997



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.



18.7478, 27.4250, 33.5841



32.1740, 48.4217, 58.7403



12.1897, 13.2333, 34.7139



6.8031, 7.5020, 8.3975



14.0561, 21.2904, 25.7164



0.2564, 0.3827, 0.4864

Inverse Universe

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



15.4342, 8.8843, 3.3849



26.0213, 13.6756, 2.4298



18.2780, 14.7956, 3.6434



6.6498, 6.6529, 7.0071



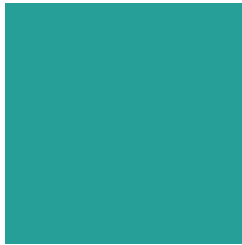
11.3444, 5.8423, 0.7987



0.2074, 0.1063, 0.0384

Previews

White Background



This preview shows how the XYZ color 18.7470, 27.4240, 33.5834 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 18.7470, 27.4240, 33.5834 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

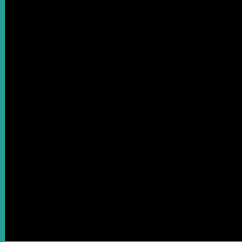
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 18.7470, 27.4240, 33.5834

Background



This preview shows how black text looks on a background with the XYZ color 18.7470, 27.4240, 33.5834.

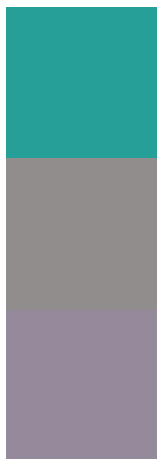


This preview shows how white text looks on a background with the XYZ color 18.7470, 27.4240,

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

18.7470, 27.4240, 33.5834

Protanopia

26.0096, 26.9926, 29.0385

Deuteranopia

27.4837, 26.9668, 35.2091



Tritanopia

20.3653, 27.3196, 41.7360

Trichromacy



Original Color

18.7470, 27.4240, 33.5834



Protanomaly

21.6446, 26.2883, 30.7214



Deuteranomaly

22.2960, 26.0790, 34.4305



Tritanomaly

19.6607, 27.2805, 38.4118

Monochromacy



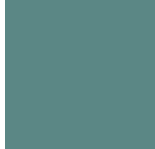
Original Color

18.7470, 27.4240, 33.5834



Achromatopsia

18.4984, 19.4618, 21.1939



Achromatomaly

17.2120, 21.2455, 25.3839

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.7470, 27.4240, 33.5834 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(37, 159, 151)` looks like.

```
.text, #text, p{  
    color:rgb(37, 159, 151)  
}
```

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(37, 159, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(37, 159, 151) }
```

Border

The CSS property to change the border of an element to XYZ 18.7470, 27.4240, 33.5834 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(37, 159, 151) }
```


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

```
.border{ border-color:rgb(37, 159, 151) }
```

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

Here you see how a box with a 4 pixel `rgb(37, 159, 151)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(37, 159, 151); -webkit-box-  
shadow:4px 4px 4px 4px rgb(37, 159, 151);  
box-shadow:4px 4px 4px 4px rgb(37, 159,  
151) }
```

Background

The CSS property to change the background color of an element to XYZ 18.7470, 27.4240, 33.5834 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(37, 159, 151) }
```

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

```
.background{ background-color: rgb(37, 159,  
151) }
```

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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