

Converting Colors

XYZ(15.7837, 23.6275, 27.1569)

Have a look what the booklet for
XYZ(15.7837, 23.6275, 27.1569)
contains.

XYZ(15.7268, 23.5485, 27.0090)	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(15.7268, 23.5485,
27.0090)**

Conversions

Conversions Part 1

Format	Color
Hex	1E9588
RGB	30, 149, 136
RGB Percent	12%, 58%, 53%
CMY	0.8823, 0.4157, 0.4667
CMYK	0.80, 0.00, 0.09, 0.42
HSL	173°, 66%, 35%
HSV	173°, 80%, 58%
XYZ	15.7268, 23.5485, 27.0090
YIQ	111.9370, -66.7510, -29.2710

Conversions

Conversions Part 2

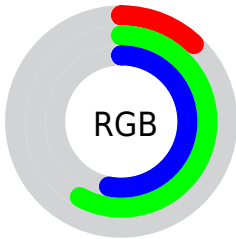
Format	Color
R_{YB}	30, 93, 149
Decimal	2004360
CIE _{Lab}	55.63, -34.27, -2.16
CIE _{LCh}	56, 34.334, 183.606
Yxy	23.5485, 0.2373, 0.3553
Android (android.graphics.Color)	4280194440 (0xFF1E9588)
YUV	111.9370, 11.8631, -71.8587
Hunter-Lab	48.5268, -27.0727, 0.9692

Details

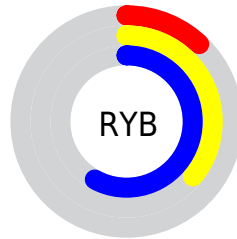
The XYZ color **15.7268, 23.5485, 27.0090** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **13.2955, 7.4932, 3.0319**, and the grayscale version is **15.3639, 16.1640, 17.6026**.

A 20% lighter version of the original color is **35.7079, 49.4012, 55.7975**, and **5.9544, 9.2213, 10.2702** is the 20% darker color. If you saturate the color by 10%, you get **15.2757, 23.3298, 26.3890**, and if you desaturate by 10%, it is **16.3866, 23.8757, 27.6490**.

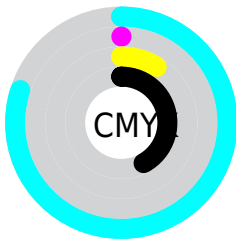
Distribution



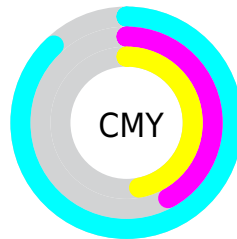
- Red (12%)
- Green (58%)
- Blue (53%)



- Red (12%)
- Yellow (36%)
- Blue (58%)



- Cyan (80%)
- Magenta (0%)
- Yellow (9%)
- Black (42%)





- Cyan (88%)
- Magenta (42%)
- Yellow (47%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 15.7268, 23.5485, 27.0090 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 15.7268, 23.5485, 27.0090 by changing the saturation by 10% instead.


 15.7268, 23.5485,
27.0090


 15.7268, 23.5485,
27.0090


221.0264,
270.5298, 301.4622


 9.4207, 14.9990,
17.3475


 35.6846, 49.2924,
55.9022


 5.0759, 8.8187,
10.3180


 50.0669, 67.2556,
75.9710


 2.3271, 4.6231,
5.5019

 67.8720, 89.1256,
100.3460

 0.8085, 2.0279,
2.4808

 89.4652, 115.2866,
129.4456

 0.0000, 0.6236,
0.8300

 115.2119,
146.1232, 163.6886

 0.0000, 0.0000,
0.0000

 145.4774,

182.0197, 203.4933

180.6271,
223.3604, 249.2783

■ 15.7268, 23.5485,
27.0090

■ 15.7268, 23.5485,
27.0090

■ 15.2757, 23.3298,
26.3890

■ 16.3866, 23.8757,
27.6490

■ 14.9665, 23.1834,
25.7842

■ 17.2787, 24.3220,
28.3086

■ 14.9623, 23.1815,
25.7758

■ 18.4259, 24.8994,
28.9894

■ 19.8474, 25.6182,
29.6924

■ 21.5608, 26.4872,
30.4183

■ 23.5822, 27.5147,
31.1680

■ 25.9264, 28.7085,
31.9422

■ 28.6073, 30.0757,
32.7417

■ 31.6381, 31.6229,
33.5670

Harmonies

Analogous

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



16.3380, 23.5485, 17.2609



15.7268, 23.5485, 27.0090



16.7217, 23.5485, 39.3902

Triad

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



15.7268, 23.5485, 27.0090



26.7743, 23.5485, 47.8915



25.8681, 23.5485, 10.8597

Complementary

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



15.7268, 23.5485, 27.0090



13.2955, 7.4932, 3.0319

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.



29.1944, 23.5485, 15.5325



15.7268, 23.5485, 27.0090



29.7587, 23.5485, 36.3692

Square

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



15.7268, 23.5485, 27.0090



22.8551, 23.5485, 53.4500



30.6914, 23.5485, 24.3187



21.9158, 23.5485, 9.6725

Rectangle

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



15.7268, 23.5485, 27.0090



18.2379, 23.5485, 46.9923



30.6914, 23.5485, 24.3187



27.1110, 23.5485, 11.9919

Sweetspot

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



15.7275, 23.5494, 27.0096



40.4864, 48.3862, 55.1895



12.0163, 22.1225, 4.8655



8.7182, 10.5939, 12.1350



71.1368, 74.8414, 81.5023



11.3376, 11.9280, 12.9896

Same Dimension

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



15.7275, 23.5494, 27.0096



26.9330, 41.5801, 46.3816



10.8495, 12.2239, 30.2224



5.9371, 6.5514, 7.2797



12.5991, 19.5124, 21.7281



0.1605, 0.2413, 0.2990

Inverse Universe

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



13.2955, 7.4932, 3.0319



22.4915, 11.6954, 2.1756



15.1878, 11.6005, 2.6674



5.8250, 5.8251, 6.1848



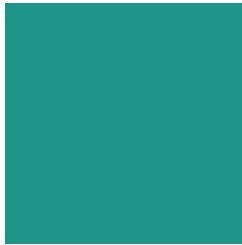
10.5182, 5.4123, 0.9439



0.1338, 0.0683, 0.0381

Previews

White Background



This preview shows how the XYZ color 15.7268, 23.5485, 27.0090 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 15.7268, 23.5485, 27.0090 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 15.7268, 23.5485, 27.0090

Background



This preview shows how black text looks on a background with the XYZ color 15.7268, 23.5485, 27.0090.

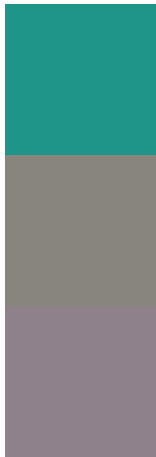


This preview shows how white text looks on a background with the XYZ color 15.7268, 23.5485,

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

15.7268, 23.5485, 27.0090

Protanopia

22.1705, 23.2431, 23.0565

Deuteranopia

23.7392, 23.3447, 28.0657



Tritanopia

17.5772, 23.6072, 35.9780

Trichromacy



Original Color

15.7268, 23.5485, 27.0090

Protanomaly

18.0475, 22.3301, 24.4780

Deuteranomaly

18.8312, 22.2391, 27.7262

Tritanomaly

16.8138, 23.5206, 32.5079

Monochromacy



Original Color

15.7268, 23.5485, 27.0090

Achromatopsia

15.4009, 16.2029, 17.6450

Achromatomaly

14.2645, 17.8415, 20.7811

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.7268, 23.5485, 27.0090 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(30, 149, 136)` looks like.

```
.text, #text, p{  
    color:rgb(30, 149, 136)  
}
```

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(30, 149, 136) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(30, 149, 136) }
```

Border

The CSS property to change the border of an element to XYZ 15.7268, 23.5485, 27.0090 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(30, 149, 136) }
```


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

```
.border{ border-color:rgb(30, 149, 136) }
```

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

Here you see how a box with a 4 pixel `rgb(30, 149, 136)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(30, 149, 136); -webkit-box-  
shadow:4px 4px 4px 4px rgb(30, 149, 136);  
box-shadow:4px 4px 4px 4px rgb(30, 149,  
136) }
```

Background

The CSS property to change the background color of an element to XYZ 15.7268, 23.5485, 27.0090 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(30, 149, 136) }
```

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

```
.background{ background-color: rgb(30, 149,  
136) }
```

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