

Converting Colors

XYZ(10.4077, 20.3772, 27.1933)

Have a look what the booklet for
XYZ(10.4077, 20.3772, 27.1933)
contains.

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Color

**XYZ(14.9491, 22.6736,
27.2555)**

Conversions

Conversions Part 1

Format	Color
Hex	009389
RGB	0, 147, 137
RGB Percent	0%, 58%, 54%
CMY	0.9999, 0.4235, 0.4627
CMYK	1.00, 0.00, 0.07, 0.42
HSL	176°, 100%, 29%
HSV	176°, 100%, 58%
XYZ	14.9491, 22.6736, 27.2555
YIQ	101.9070, -84.4020, -34.2740

Conversions

Conversions Part 2

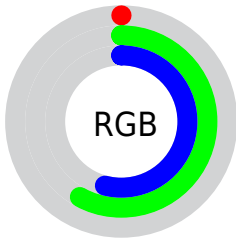
Format	Color
RYB	0, 76, 147
Decimal	37769
CIELab	54.73, -34.99, -4.09
CIELCh	55, 35.233, 186.666
Yxy	22.6736, 0.2304, 0.3495
Android (android.graphics.Color)	4278227849 (0xFF009389)
YUV	101.9070, 17.3008, -89.3724
Hunter-Lab	47.6168, -27.2901, -0.6054

Details

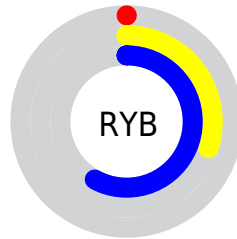
The XYZ color **14.9491, 22.6736, 27.2555** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **12.0881, 6.2256, 0.8523**, and the grayscale version is **12.5789, 13.2340, 14.4118**.

A 20% lighter version of the original color is **34.3453, 47.9850, 56.1670**, and **5.8125, 8.8725, 10.4230** is the 20% darker color. If you saturate the color by 10%, you get **14.9494, 22.6743, 27.2555**, and if you desaturate by 10%, it is **15.2141, 22.8024, 27.6447**.

Distribution



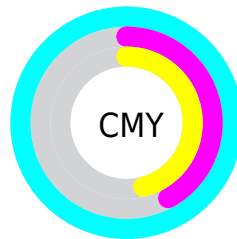
- Red (0%)
- Green (58%)
- Blue (54%)



- Red (0%)
- Yellow (30%)
- Blue (58%)



- Cyan (100%)
- Magenta (0%)
- Yellow (7%)
- Black (42%)





- Cyan (100%)
- Magenta (42%)
- Yellow (46%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 14.9491, 22.6736, 27.2555 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 14.9491, 22.6736, 27.2555 by changing the saturation by 10% instead.


 14.9491, 22.6736,
27.2555


 14.9491, 22.6736,
27.2555


216.4524,
266.0441, 302.6913


 8.8698, 14.3527,
17.5311


 34.3363, 47.8568,
56.3023


 4.7128, 8.3664,
10.4479


 48.3748, 65.4879,
76.4618


 2.1127, 4.3303,
5.5875

 65.7970, 86.9912,
100.9366

 0.6961, 1.8600,
2.5312

 86.9685, 112.7510,
130.1455

 0.0000, 0.5241,
0.8566

 112.2543,
143.1519, 164.5068

 0.0000, 0.0000,
0.0000

 142.0201,

178.5780, 204.4392

176.6310,
219.4140, 250.3612

■ 14.9491, 22.6736,
27.2555

■ 14.9491, 22.6736,
27.2555

■ 14.9494, 22.6743,
27.2555

■ 15.2141, 22.8024,
27.6447

■ 15.6131, 22.9997,
28.0432

■ 16.2117, 23.2998,
28.4546

■ 17.0350, 23.7156,
28.8799

■ 18.1040, 24.2581,
29.3202

■ 19.4377, 24.9369,
29.7765

■ 21.0529, 25.7608,
30.2494

■ 22.9651, 26.7377,
30.7398

■ 25.1888, 27.8751,
31.2484

Harmonies

Analogous

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



15.3927, 22.6736, 17.1453



14.9491, 22.6736, 27.2555



16.0961, 22.6736, 39.7955

Triad

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



14.9491, 22.6736, 27.2555



26.3268, 22.6736, 46.1353



24.6474, 22.6736, 9.7919

Complementary

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



14.9491, 22.6736, 27.2555



12.0881, 6.2256, 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.



28.1161, 22.6736, 13.9882



14.9491, 22.6736, 27.2555



29.1643, 22.6736, 34.1697

Square

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



14.9491, 22.6736, 27.2555



22.4295, 22.6736, 52.6213



29.8555, 22.6736, 22.2865



20.6950, 22.6736, 8.9505

Rectangle

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



14.9491, 22.6736, 27.2555



17.7002, 22.6736, 47.2261



29.8555, 22.6736, 22.2865



25.9224, 22.6736, 10.7789

Sweetspot

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



14.9498, 22.6745, 27.2560



37.5037, 46.0315, 54.1165



10.5896, 20.9483, 3.4859



8.2972, 10.3732, 12.2789



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.



14.9498, 22.6745, 27.2560



26.7451, 40.5946, 48.6702



8.5755, 8.7240, 28.8366



5.9473, 6.5555, 7.3332



12.9636, 19.6582, 23.6475



0.1628, 0.2423, 0.3112

Inverse Universe

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



12.0881, 6.2256, 0.8523



21.6215, 11.1379, 1.3915



13.7159, 9.5689, 1.1246



5.8159, 5.8214, 6.1365



10.4830, 5.3983, 0.7585



0.1315, 0.0673, 0.0260

Previews

White Background



This preview shows how the XYZ color 14.9491, 22.6736, 27.2555 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 14.9491, 22.6736, 27.2555 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

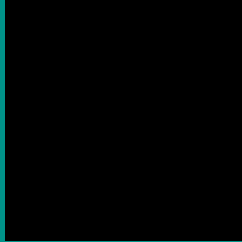
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 14.9491, 22.6736, 27.2555

Background



This preview shows how black text looks on a background with the XYZ color 14.9491, 22.6736, 27.2555.



This preview shows how white text looks on a background with the XYZ color 14.9491, 22.6736,

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

14.9491, 22.6736, 27.2555

Protanopia

21.4863, 22.4841, 23.2861

Deuteranopia

22.8783, 22.5051, 28.3374



Tritanopia

16.6337, 22.6869, 34.9548

Trichromacy



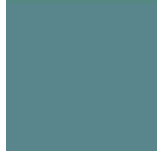
Original Color

14.9491, 22.6736, 27.2555



Protanomaly

16.6472, 21.1783, 24.6832



Deuteranomaly

17.2832, 21.0184, 27.9570



Tritanomaly

15.8811, 22.5913, 31.9573

Monochromacy



Original Color

14.9491, 22.6736, 27.2555



Achromatopsia

12.6291, 13.2868, 14.4694



Achromatomaly

11.7529, 15.3185, 18.5570

CSS Examples

Text

The CSS property to change the color of the text to XYZ 14.9491, 22.6736, 27.2555 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, 147, 137)` looks like.

```
.text, #text, p{  
    color:rgb(0, 147, 137)  
}
```

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, 147, 137) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 147, 137) }
```

Border

The CSS property to change the border of an element to XYZ 14.9491, 22.6736, 27.2555 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, 147, 137) }
```


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

```
.border{ border-color:rgb(0, 147, 137) }
```

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

Here you see how a box with a 4 pixel rgb(0, 147, 137) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 147, 137); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 147, 137);  
box-shadow:4px 4px 4px 4px rgb(0, 147,  
137) }
```

Background

The CSS property to change the background color of an element to XYZ 14.9491, 22.6736, 27.2555 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 147, 137) }
```

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

```
.background{ background-color: rgb(0, 147,  
137) }
```

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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