

Converting Colors

XYZ(11.2322, 17.7522, 29.5442)

Have a look what the booklet for
XYZ(11.2322, 17.7522, 29.5442)
contains.

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Color

**XYZ(13.4984, 18.8194,
29.7091)**

Conversions

Conversions Part 1

Format	Color
Hex	008591
RGB	0, 133, 145
RGB Percent	0%, 52%, 57%
CMY	0.9999, 0.4784, 0.4314
CMYK	1.00, 0.08, 0.00, 0.43
HSL	185°, 100%, 28%
HSV	185°, 100%, 57%
XYZ	13.4984, 18.8194, 29.7091
YIQ	94.6010, -83.1200, -24.4640

Conversions

Conversions Part 2

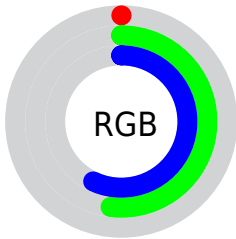
Format	Color
RYB	0, 69, 145
Decimal	34193
CIELab	50.48, -25.66, -15.11
CIElCh	50, 29.781, 210.483
Yxy	18.8194, 0.2176, 0.3034
Android (android.graphics.Color)	4278224273 (0xFF008591)
YUV	94.6010, 24.8467, -82.9651
Hunter-Lab	43.3813, -20.3758, -10.2370

Details

The XYZ color **13.4984, 18.8194, 29.7091** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **11.8091, 6.2834, 0.5911**, and the grayscale version is **10.7408, 11.3002, 12.3059**.

A 20% lighter version of the original color is **31.9169, 41.6426, 60.3885**, and **5.1588, 7.0127, 11.9082** is the 20% darker color. If you saturate the color by 10%, you get **13.4984, 18.8193, 29.7094**, and if you desaturate by 10%, it is **13.8533, 19.2481, 29.7735**.

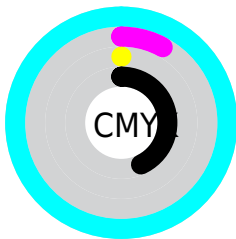
Distribution



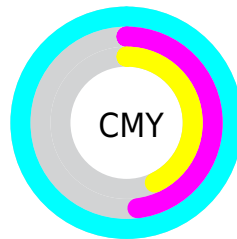
- Red (0%)
- Green (52%)
- Blue (57%)



- Red (0%)
- Yellow (27%)
- Blue (57%)



- Cyan (100%)
- Magenta (8%)
- Yellow (0%)
- Black (43%)



- Cyan (100%)
- Magenta (48%)
- Yellow (43%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.4984, 18.8194, 29.7091 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 13.4984, 18.8194, 29.7091 by changing the saturation by 10% instead.

13.4984, 18.8194,
29.7091

13.4984, 18.8194,
29.7091

207.6613,
245.4499, 314.7111

7.8520, 11.5399,
19.3677

31.7901, 41.4287,
60.2574

4.0514, 6.4312,
11.7568

45.1661, 57.5273,
81.3014

1.7313, 3.1090,
6.4578

61.8493, 77.3343,
106.7500

0.4757, 1.1889,
3.0521

82.2051, 101.2341,
137.0217

0.0000, 0.0526,
1.1213

106.5988,
129.6112, 172.5352

0.0000, 0.0000,
0.0000

135.3959,

162.8500, 213.7089

168.9616,
201.3347, 260.9613

■ 13.4984, 18.8194,
29.7091

■ 13.4984, 18.8194,
29.7091

■ 13.4984, 18.8193,
29.7094

■ 13.8533, 19.2481,
29.7735

■ 14.3385, 19.7463,
29.8441

■ 15.0186, 20.3478,
29.9244

■ 15.9175, 21.0649,
30.0154

■ 17.0557, 21.9083,
30.1182

■ 18.4515, 22.8873,
30.2336

■ 20.1212, 24.0102,
30.3623

■ 22.0798, 25.2850,
30.5052

■ 24.3412, 26.7188,
30.6627

Harmonies

Analogous

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



12.8696, 18.8194, 20.6260



13.4984, 18.8194, 29.7091



15.2777, 18.8194, 37.7713

Triad

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



13.4984, 18.8194, 29.7091



23.1930, 18.8194, 29.4115



17.8403, 18.8194, 8.3091

Complementary

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



13.4984, 18.8194, 29.7091



11.8091, 6.2834, 0.5911

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.



20.7783, 18.8194, 9.4971



13.4984, 18.8194, 29.7091



24.0643, 18.8194, 20.3568

Square

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



13.4984, 18.8194, 29.7091



20.8684, 18.8194, 37.5693



23.1372, 18.8194, 13.4093



15.2045, 18.8194, 9.5779

Rectangle

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



13.4984, 18.8194, 29.7091



16.9808, 18.8194, 40.6266



23.1372, 18.8194, 13.4093



18.8254, 18.8194, 8.4298

Sweetspot

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



13.4990, 18.8201, 29.7096



35.8261, 42.8610, 54.3583



10.1789, 20.2724, 3.6548



7.7102, 9.3617, 12.0728



69.3244, 72.9347, 79.4259



10.7221, 11.2805, 12.2844

Same Dimension

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



13.4990, 18.8201, 29.7096



24.1121, 33.5797, 53.1843



6.8803, 5.5827, 27.5033



5.5226, 6.0410, 6.9037



11.5869, 16.1598, 25.4855



0.1181, 0.1691, 0.2461

Inverse Universe

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



15.9112, 7.7139, 22.8413



28.4627, 13.8008, 40.7405



14.7081, 12.0814, 1.5575



5.6073, 5.5034, 6.6959



13.6517, 6.6177, 19.6147



0.1342, 0.0647, 0.2069

Previews

White Background



This preview shows how the XYZ color 13.4984, 18.8194, 29.7091 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 13.4984, 18.8194, 29.7091 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

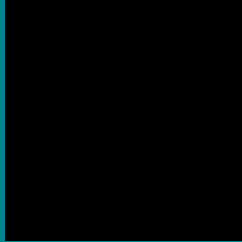
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 13.4984, 18.8194, 29.7091

Background



This preview shows how black text looks on a background with the XYZ color 13.4984, 18.8194, 29.7091.

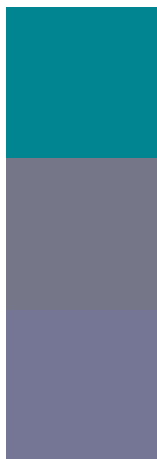


This preview shows how white text looks on a background with the XYZ color 13.4984, 18.8194,

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

13.4984, 18.8194, 29.7091

Protanopia

18.3769, 18.7531, 25.9437

Deuteranopia

19.1222, 18.6744, 31.0304



Tritanopia

13.4216, 18.7887, 29.3047

Trichromacy



Original Color

13.4984, 18.8194, 29.7091

Protanomaly

14.6919, 17.7352, 27.0750

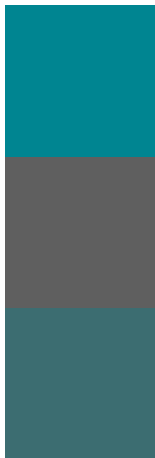
Deuteranomaly

15.2523, 17.7599, 30.6411

Tritanomaly

13.4216, 18.7887, 29.3047

Monochromacy



Original Color

13.4984, 18.8194, 29.7091

Achromatopsia

10.8771, 11.4435, 12.4620

Achromatomaly

10.3128, 13.0902, 17.6059

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.4984, 18.8194, 29.7091 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, 133, 145)` looks like.

```
.text, #text, p{  
    color:rgb(0, 133, 145)  
}
```

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, 133, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 133, 145) }
```

Border

The CSS property to change the border of an element to XYZ 13.4984, 18.8194, 29.7091 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, 133, 145) }
```


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

```
.border{ border-color:rgb(0, 133, 145) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 133, 145)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 133, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 133, 145);  
box-shadow:4px 4px 4px 4px rgb(0, 133,  
145) }
```

Background

The CSS property to change the background color of an element to XYZ 13.4984, 18.8194, 29.7091 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 133, 145) }
```

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

```
.background{ background-color: rgb(0, 133,  
145) }
```

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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