

Converting Colors

XYZ(4.1728, 13.3950, 32.8083)

Have a look what the booklet for
XYZ(4.1728, 13.3950, 32.8083)
contains.

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Color

**XYZ(13.8154, 18.2984,
33.3756)**

Conversions

Conversions Part 1

Format	Color
Hex	00829A
RGB	0, 130, 154
RGB Percent	0%, 51%, 60%
CMY	0.9999, 0.4902, 0.3961
CMYK	1.00, 0.16, 0.00, 0.40
HSL	189°, 100%, 30%
HSV	189°, 100%, 60%
XYZ	13.8154, 18.2984, 33.3756
YIQ	93.8660, -85.1840, -20.0960

Conversions

Conversions Part 2

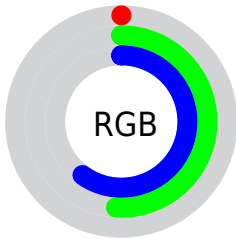
Format	Color
RYB	0, 70, 154
Decimal	33434
CIELab	49.86, -20.97, -21.31
CIELCh	50, 29.894, 225.455
Yxy	18.2984, 0.2110, 0.2794
Android (android.graphics.Color)	4278223514 (0xFF00829A)
YUV	93.8660, 29.6461, -82.3205
Hunter-Lab	42.7766, -17.2097, -16.3162

Details

The XYZ color **13.8154, 18.2984, 33.3756** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **13.6539, 7.5245, 0.7335**, and the grayscale version is **10.5564, 11.1062, 12.0947**.

A 20% lighter version of the original color is **32.2491, 40.4473, 65.7819**, and **5.3168, 6.7166, 13.8482** is the 20% darker color. If you saturate the color by 10%, you get **13.8151, 18.2978, 33.3759**, and if you desaturate by 10%, it is **14.3427, 19.0501, 33.4933**.

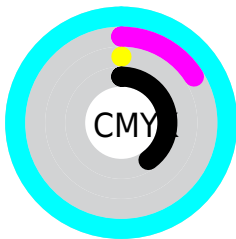
Distribution



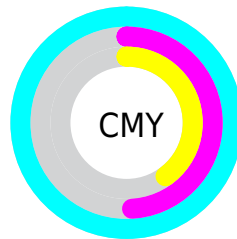
- Red (0%)
- Green (51%)
- Blue (60%)



- Red (0%)
- Yellow (27%)
- Blue (60%)



- Cyan (100%)
- Magenta (16%)
- Yellow (0%)
- Black (40%)



- Cyan (100%)
- Magenta (49%)
- Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.8154, 18.2984, 33.3756 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 13.8154, 18.2984, 33.3756 by changing the saturation by 10% instead.

■ 13.8154, 18.2984,
33.3756

■ 13.8154, 18.2984,
33.3756

■ 209.6131,
242.5476, 332.0226

■ 8.0732, 11.1644,
22.1409

■ 32.3501, 40.5451,
66.0842

■ 4.1940, 6.1775,
13.7611

■ 45.8734, 56.4267,
88.3952

■ 1.8125, 2.9533,
7.8179

■ 62.7211, 75.9929,
115.2354

■ 0.5252, 1.1074,
3.8925

■ 83.2585, 99.6282,
147.0233

■ 0.0000, 0.0000,
1.5666

■ 107.8511,
127.7169, 184.1774

■ 0.0000, 0.0000,
0.2668

■ 136.8641,

■ 0.0000, 0.0000,

160.6434, 227.1163

0.0000

170.6630,
198.7922, 276.2585

■ 13.8154, 18.2984,
33.3756

■ 13.8154, 18.2984,
33.3756

■ 13.8151, 18.2978,
33.3759

■ 14.3427, 19.0501,
33.4933

■ 15.0291, 19.8946,
33.6201

■ 15.9443, 20.8683,
33.7598

■ 17.1163, 21.9856,
33.9137

■ 18.5690, 23.2590,
34.0829

■ 20.3237, 24.6995,
34.2685

■ 22.3994, 26.3170,
34.4713

■ 24.8135, 28.1204,
34.6921

■ 27.5823, 30.1184,
34.9319

Harmonies

Analogous

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



12.6154, 18.2984, 24.4186



13.8154, 18.2984, 33.3756



16.0483, 18.2984, 39.3678

Triad

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



13.8154, 18.2984, 33.3756



23.2714, 18.2984, 24.1429



15.9685, 18.2984, 8.2796

Complementary

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



13.8154, 18.2984, 33.3756



13.6539, 7.5245, 0.7335

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.



18.8088, 18.2984, 8.2436



13.8154, 18.2984, 33.3756



23.2439, 18.2984, 16.0176

Square

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



13.8154, 18.2984, 33.3756



21.6095, 18.2984, 33.1267



21.5382, 18.2984, 10.6811



13.7625, 18.2984, 10.7983

Rectangle

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



13.8154, 18.2984, 33.3756



17.9197, 18.2984, 40.0537



21.5382, 18.2984, 10.6811



16.8749, 18.2984, 8.0055

Sweetspot

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



13.8160, 18.2990, 33.3761



40.4390, 47.6149, 62.5955



11.7119, 23.1740, 4.6728



8.8050, 10.5090, 14.1347



74.8435, 78.7412, 85.7492



12.6291, 13.2868, 14.4694

Same Dimension

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



13.8160, 18.2990, 33.3761



24.9800, 33.0070, 60.5907



7.1485, 4.9640, 31.1535



6.3026, 6.8625, 7.9214



11.2766, 14.9498, 27.1990



0.1880, 0.2624, 0.4131

Inverse Universe

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



17.3562, 8.4824, 21.8422



31.4691, 15.3842, 39.3665



17.8944, 16.0056, 2.1470



6.4198, 6.3071, 7.5910



14.1507, 6.9145, 17.8502



0.2214, 0.1073, 0.3185

Previews

White Background



This preview shows how the XYZ color 13.8154, 18.2984, 33.3756 looks on a white 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

Black Background



This preview shows how the XYZ color 13.8154, 18.2984, 33.3756 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

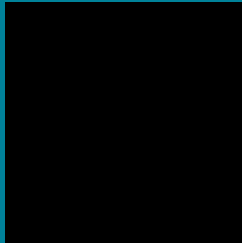
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 13.8154, 18.2984, 33.3756

Background



This preview shows how black text looks on a background with the XYZ color 13.8154, 18.2984, 33.3756.

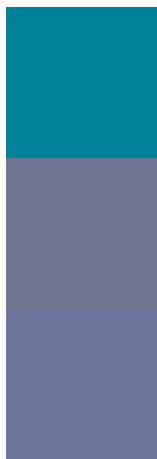


This preview shows how white text looks on a background with the XYZ color 13.8154, 18.2984,

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

13.8154, 18.2984, 33.3756

Protanopia

18.1542, 18.2117, 29.3464

Deuteranopia

18.5155, 18.1132, 34.4186



Tritanopia

12.9988, 18.1856, 28.4162

Trichromacy



Original Color

13.8154, 18.2984, 33.3756

Protanomaly

14.9034, 17.3968, 30.5894

Deuteranomaly

15.2924, 17.3403, 33.9935

Tritanomaly

13.3046, 18.3079, 30.0267

Monochromacy



Original Color

13.8154, 18.2984, 33.3756

Achromatopsia

10.6392, 11.1932, 12.1894

Achromatomaly

10.2736, 12.7370, 18.4400

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.8154, 18.2984, 33.3756 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, 130, 154)` looks like.

```
.text, #text, p{  
    color:rgb(0, 130, 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, 130, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 130, 154) }
```

Border

The CSS property to change the border of an element to XYZ 13.8154, 18.2984, 33.3756 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, 130, 154) }
```


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

```
.border{ border-color:rgb(0, 130, 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, 130, 154)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 130, 154); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 130, 154);  
box-shadow:4px 4px 4px 4px rgb(0, 130,  
154) }
```

Background

The CSS property to change the background color of an element to XYZ 13.8154, 18.2984, 33.3756 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 130, 154) }
```

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

```
.background{ background-color: rgb(0, 130,  
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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