

Converting Colors

XYZ(14.8851, 18.8991, 13.4530)

Have a look what the booklet for
XYZ(14.8851, 18.8991, 13.4530)
contains.

XYZ(14.8851, 18.8991, 13.4530)	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(14.8851, 18.8991,
13.4530)**

Conversions

Conversions Part 1

Format	Color
Hex	63805E
RGB	99, 128, 94
RGB Percent	39%, 50%, 37%
CMY	0.6118, 0.4980, 0.6314
CMYK	0.23, 0.00, 0.27, 0.50
HSL	111°, 15%, 44%
HSV	111°, 27%, 50%
XYZ	14.8851, 18.8991, 13.4530
YIQ	115.4530, -6.3700, -16.7220

Conversions

Conversions Part 2

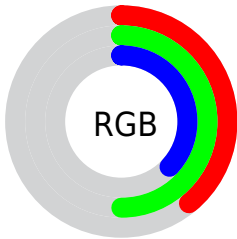
Format	Color
RYB	94, 128, 123
Decimal	6520926
CIELab	50.57, -17.43, 15.16
CIElCh	51, 23.098, 138.975
Yxy	18.8991, 0.3151, 0.4001
Android (android.graphics.Color)	4284711006 (0xFF63805E)
YUV	115.4530, -10.5763, -14.4293
Hunter-Lab	43.4731, -14.9599, 12.0835

Details

The XYZ color **14.8851, 18.8991, 13.4530** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **16.0681, 13.7754, 22.2351**, and the grayscale version is **16.4663, 17.3238, 18.8657**.

A 20% lighter version of the original color is **34.2124, 41.5761, 33.0099**, and **4.6947, 6.5092, 3.8053** is the 20% darker color. If you saturate the color by 10%, you get **13.2446, 18.1149, 10.6226**, and if you desaturate by 10%, it is **16.7832, 19.8062, 16.7936**.

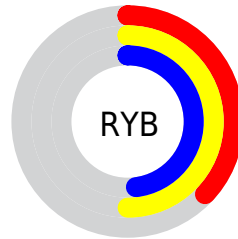
Distribution



Red (39%)

Green (50%)

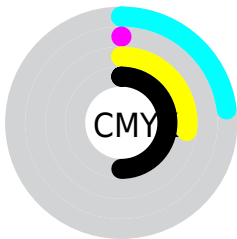
Blue (37%)



Red (37%)

Yellow (50%)

Blue (48%)

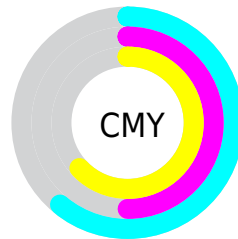


Cyan (23%)

Magenta (0%)

Yellow (27%)

Black (50%)



Cyan (61%)

Magenta (50%)

Yellow (63%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 14.8851, 18.8991, 13.4530 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 14.8851, 18.8991, 13.4530 by changing the saturation by 10% instead.

■ 14.8851, 18.8991,
13.4530

■ 14.8851, 18.8991,
13.4530

216.0719,
245.8912, 225.1097

■ 8.8246, 11.5974,
7.6068

■ 34.2248, 41.5635,
32.8183

■ 4.6831, 6.4702,
3.7603

■ 48.2347, 57.6950,
47.1745

■ 2.0954, 3.1330,
1.4948

■ 65.6251, 77.5386,
65.2045

■ 0.6867, 1.2016,
0.2140

■ 86.7613, 101.4786,
87.3267

■ 0.0000, 0.0630,
0.0000

112.0088,
129.8995, 113.9599

■ 0.0000, 0.0000,
0.0000

141.7328,

163.1856, 145.5224

176.2987,
201.7214, 182.4328

■ 14.8851, 18.8991,
13.4530

■ 14.8851, 18.8991,
13.4530

■ 13.2446, 18.1149,
10.6226

■ 16.7832, 19.8062,
16.7936

■ 11.8490, 17.4459,
8.2760

■ 18.9479, 20.8386,
20.6664

■ 10.6870, 16.8875,
6.3867

■ 21.3894, 22.0018,
25.0937

■ 9.7455, 16.4335,
4.9247

■ 24.1172, 23.3002,
30.0961

■ 9.0103, 16.0774,
3.8566

■ 27.1401, 24.7378,
35.6933

■ 8.4653, 15.8117,
3.1443

■ 30.4667, 26.3187,
41.9038

■ 8.0873, 15.6259,
2.7162

■ 34.1051, 28.0467,
48.7455

■ 7.9846, 15.5757,
2.5856

■ 38.0632, 29.9255,
56.2356

■ 42.3486, 31.9586,
64.3904

Harmonies

Analogous

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



16.5891, 18.8991, 10.9235



14.8851, 18.8991, 13.4530



14.0327, 18.8991, 18.2923

Triad

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



14.8851, 18.8991, 13.4530



17.1462, 18.8991, 35.3395



22.3854, 18.8991, 16.7969

Complementary

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



14.8851, 18.8991, 13.4530



16.0681, 13.7754, 22.2351

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.



22.5662, 18.8991, 23.0463



14.8851, 18.8991, 13.4530



19.4108, 18.8991, 34.7040

Square

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



14.8851, 18.8991, 13.4530



15.2635, 18.8991, 31.4455



21.4384, 18.8991, 29.8572



20.9635, 18.8991, 12.5563

Rectangle

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



14.8851, 18.8991, 13.4530



14.0099, 18.8991, 22.5775



21.4384, 18.8991, 29.8572



22.5976, 18.8991, 18.7000

Sweetspot

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



14.8856, 18.8999, 13.4534



32.7088, 36.3780, 35.2143



17.9938, 19.5393, 13.4130



7.5356, 8.4587, 8.0248



62.3462, 65.5931, 71.4309



8.4577, 8.8982, 9.6901

Same Dimension

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



14.8856, 18.8999, 13.4534



24.3716, 32.3969, 20.5060



14.9321, 18.8574, 16.4617



4.3304, 4.8468, 4.6274



7.9178, 15.4441, 2.5637



0.0000, 0.0000, 0.0000

Inverse Universe

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



16.0681, 13.7754, 22.2351



26.8238, 21.7538, 38.7414



16.0636, 13.8583, 18.3825



4.4380, 4.3814, 5.4251



10.1398, 4.7810, 20.6383



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 14.8851, 18.8991, 13.4530 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 14.8851, 18.8991, 13.4530 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

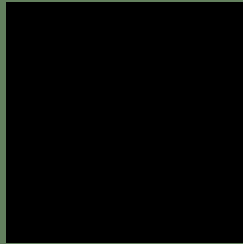
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 14.8851, 18.8991, 13.4530

Background



This preview shows how black text looks on a background with the XYZ color 14.8851, 18.8991, 13.4530.



This preview shows how white text looks on a background with the XYZ color 14.8851, 18.8991,

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

14.8851, 18.8991, 13.4530

Protanopia

17.6152, 18.8383, 12.3806

Deuteranopia

19.1036, 18.7000, 13.9118



Tritanopia

17.2605, 18.9235, 24.9332

Trichromacy



Original Color

14.8851, 18.8991, 13.4530

Protanomaly

16.4425, 18.7728, 12.6544

Deuteranomaly

17.2852, 18.6374, 13.7527

Tritanomaly

16.2569, 18.8827, 20.2407

Monochromacy



Original Color

14.8851, 18.8991, 13.4530

Achromatopsia

16.2955, 17.1441, 18.6699

Achromatomaly

15.6770, 17.7457, 16.5089

CSS Examples

Text

The CSS property to change the color of the text to XYZ 14.8851, 18.8991, 13.4530 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(99, 128, 94) looks like.

```
.text, #text, p{  
    color:rgb(99, 128, 94)  
}
```

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(99, 128, 94) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 128, 94) }
```

Border

The CSS property to change the border of an element to XYZ 14.8851, 18.8991, 13.4530 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(99, 128, 94) }
```


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

```
.border{ border-color:rgb(99, 128, 94) }
```

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

Here you see how a box with a 4 pixel `rgb(99, 128, 94)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 128, 94); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 128, 94);  
box-shadow:4px 4px 4px 4px rgb(99, 128,  
94) }
```

Background

The CSS property to change the background color of an element to XYZ 14.8851, 18.8991, 13.4530 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 128, 94) }
```

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

```
.background{ background-color: rgb(99, 128,  
94) }
```

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