

Converting Colors

XYZ(15.0111, 22.9394, 18.6865)

Have a look what the booklet for
XYZ(15.0111, 22.9394, 18.6865)
contains.

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Color

**XYZ(14.9903, 22.8850,
18.6661)**

Conversions

Conversions Part 1

Format	Color
Hex	39936F
RGB	57, 147, 111
RGB Percent	22%, 58%, 44%
CMY	0.7765, 0.4235, 0.5647
CMYK	0.61, 0.00, 0.24, 0.42
HSL	156°, 44%, 40%
HSV	156°, 61%, 58%
XYZ	14.9903, 22.8850, 18.6661
YIQ	115.9860, -42.0840, -30.2760

Conversions

Conversions Part 2

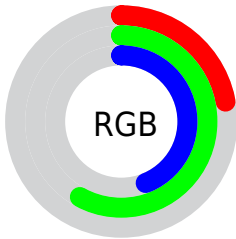
Format	Color
R _{YB}	57, 113, 147
Decimal	3773295
CIE Lab	54.95, -35.69, 11.23
CIE LCh	55, 37.417, 162.534
Yxy	22.8850, 0.2651, 0.4047
Android (android.graphics.Color)	4281963375 (0xFF39936F)
YUV	115.9860, -2.4581, -51.7307
Hunter-Lab	47.8383, -27.7833, 10.3523

Details

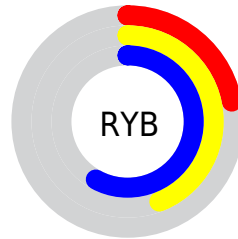
The XYZ color **14.9903, 22.8850, 18.6661** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **15.4723, 9.9201, 11.4561**, and the grayscale version is **16.6132, 17.4784, 19.0340**.

A 20% lighter version of the original color is **34.5414, 48.3961, 42.1712**, and **4.9894, 8.5433, 6.0887** is the 20% darker color. If you saturate the color by 10%, you get **13.9574, 22.3893, 16.9832**, and if you desaturate by 10%, it is **16.2884, 23.5161, 20.4737**.

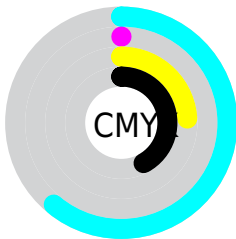
Distribution



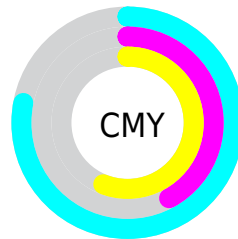
- Red (22%)
- Green (58%)
- Blue (44%)



- Red (22%)
- Yellow (44%)
- Blue (58%)



- Cyan (61%)
- Magenta (0%)
- Yellow (24%)
- Black (42%)



- Cyan (78%)
- Magenta (42%)
- Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 14.9903, 22.8850, 18.6661 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 14.9903, 22.8850, 18.6661 by changing the saturation by 10% instead.

■ 14.9903, 22.8850,
18.6661

■ 14.9903, 22.8850,
18.6661

216.6970,
267.1338, 256.9602

■ 8.8988, 14.5086,
11.2549

■ 34.4080, 48.2044,
41.9983

■ 4.7318, 8.4753,
6.1222

■ 48.4649, 65.9163,
58.7563

■ 2.1239, 4.4005,
2.8496

■ 65.9077, 87.5087,
79.4671

■ 0.7022, 1.9000,
1.0183

■ 87.1017, 113.3661,
104.5491

■ 0.0000, 0.5484,
0.0000

■ 112.4123,
143.8730, 134.4208

■ 0.0000, 0.0000,
0.0000

142.2048,

179.4136, 169.5009

176.8446,
220.3724, 210.2079

■ 14.9903, 22.8850,
18.6661

■ 14.9903, 22.8850,
18.6661

■ 13.9574, 22.3893,
16.9832

■ 16.2884, 23.5161,
20.4737

■ 13.1659, 22.0150,
15.4202

■ 17.8693, 24.2900,
22.4075

■ 12.5905, 21.7498,
13.9744

■ 19.7512, 25.2164,
24.4707

■ 12.2039, 21.5762,
12.7974

■ 21.9501, 26.3037,
26.6660

■ 24.4809, 27.5594,
28.9962

■ 27.3575, 28.9907,
31.4636

■ 30.5931, 30.6043,
34.0708

■ 34.2000, 32.4066,
36.8200

■ 38.1900, 34.4037,
39.7137

Harmonies

Analogous

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



16.7886, 22.8850, 11.5818



14.9903, 22.8850, 18.6661



14.8520, 22.8850, 30.2163

Triad

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



14.9903, 22.8850, 18.6661



23.5304, 22.8850, 54.5640



28.1806, 22.8850, 12.4369

Complementary

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



14.9903, 22.8850, 18.6661



15.4723, 9.9201, 11.4561

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.



30.5125, 22.8850, 20.2781



14.9903, 22.8850, 18.6661



27.6072, 22.8850, 45.8484

Square

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



14.9903, 22.8850, 18.6661



19.4422, 22.8850, 53.7097



30.2902, 22.8850, 32.4296



24.2368, 22.8850, 8.8524

Rectangle

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



14.9903, 22.8850, 18.6661



15.6912, 22.8850, 39.3476



30.2902, 22.8850, 32.4296



29.2002, 22.8850, 14.5334

Sweetspot

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



14.9909, 22.8859, 18.6666



40.5396, 47.7147, 48.9192



15.8405, 23.5700, 7.5858



8.9898, 10.7611, 10.9169



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.



14.9909, 22.8859, 18.6666



24.4846, 39.8519, 29.4725



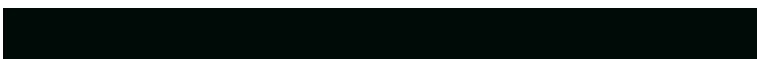
16.2597, 21.5877, 30.9147



5.8669, 6.5233, 6.9098



10.5921, 18.7096, 11.1596



0.1442, 0.2348, 0.2135

Inverse Universe

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



15.4723, 9.9201, 11.4561



25.4401, 14.6043, 15.5220



14.6335, 10.2224, 5.0730



5.8912, 5.8515, 6.5331



11.1232, 5.6543, 4.1299



0.1500, 0.0748, 0.1237

Previews

White Background



This preview shows how the XYZ color 14.9903, 22.8850, 18.6661 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 14.9903, 22.8850, 18.6661 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

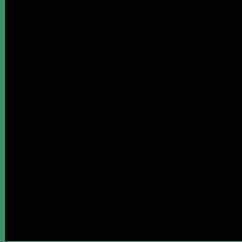
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 14.9903, 22.8850, 18.6661

Background



This preview shows how black text looks on a background with the XYZ color 14.9903, 22.8850, 18.6661.



This preview shows how white text looks on a background with the XYZ color 14.9903, 22.8850,

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

14.9903, 22.8850, 18.6661

Protanopia

21.0783, 22.4335, 16.0511

Deuteranopia

23.0077, 22.5722, 19.6672



Tritanopia

17.9471, 22.7274, 33.5779

Trichromacy



Original Color

14.9903, 22.8850, 18.6661

Protanomaly

17.7124, 21.9001, 16.9293

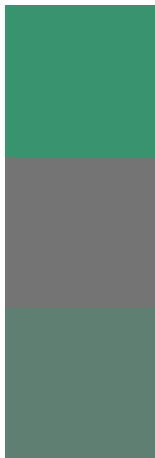
Deuteranomaly

18.7648, 21.9781, 19.1728

Tritanomaly

16.7246, 22.6732, 27.5396

Monochromacy



Original Color

14.9903, 22.8850, 18.6661

Achromatopsia

16.6002, 17.4647, 19.0191

Achromatomaly

15.3459, 18.8265, 18.7447

CSS Examples

Text

The CSS property to change the color of the text to XYZ 14.9903, 22.8850, 18.6661 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(57, 147, 111)` looks like.

```
.text, #text, p{  
    color:rgb(57, 147, 111)  
}
```

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(57, 147, 111) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(57, 147, 111) }
```

Border

The CSS property to change the border of an element to XYZ 14.9903, 22.8850, 18.6661 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(57, 147, 111) }
```


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

```
.border{ border-color:rgb(57, 147, 111) }
```

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

Here you see how a box with a 4 pixel `rgb(57, 147, 111)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(57, 147, 111); -webkit-box-shadow:4px 4px 4px 4px rgb(57, 147, 111); box-shadow:4px 4px 4px 4px rgb(57, 147, 111) }
```

Background

The CSS property to change the background color of an element to XYZ 14.9903, 22.8850, 18.6661 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(57, 147, 111) }
```

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

```
.background{ background-color: rgb(57, 147,  
111) }
```

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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