

Converting Colors

XYZ(13.9606, 19.2758, 16.8506)

Have a look what the booklet for
XYZ(13.9606, 19.2758, 16.8506)
contains.

XYZ(14.0219, 19.3731, 16.9103)	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(14.0219, 19.3731,
16.9103)**

Conversions

Conversions Part 1

Format	Color
Hex	4C856B
RGB	76, 133, 107
RGB Percent	30%, 52%, 42%
CMY	0.7020, 0.4784, 0.5804
CMYK	0.43, 0.00, 0.20, 0.48
HSL	153°, 27%, 41%
HSV	153°, 43%, 52%
XYZ	14.0219, 19.3731, 16.9103
YIQ	112.9930, -25.6260, -20.1700

Conversions

Conversions Part 2

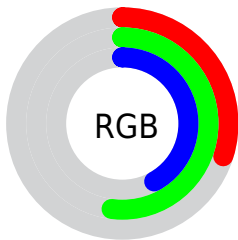
Format	Color
R_{YB}	76, 113, 133
Decimal	5014891
CIE _{Lab}	51.12, -25.12, 8.22
CIE _{LCh}	51, 26.429, 161.877
Yxy	19.3731, 0.2787, 0.3851
Android (android.graphics.Color)	4283204971 (0xFF4C856B)
YUV	112.9930, -2.9545, -32.4429
Hunter-Lab	44.0149, -20.1610, 8.0315

Details

The XYZ color **14.0219, 19.3731, 16.9103** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **14.6563, 11.1153, 13.9442**, and the grayscale version is **15.7083, 16.5264, 17.9972**.

A 20% lighter version of the original color is **32.6325, 42.1756, 38.7685**, and **4.3098, 6.7194, 5.3448** is the 20% darker color. If you saturate the color by 10%, you get **12.7645, 18.7610, 15.2435**, and if you desaturate by 10%, it is **15.5212, 20.1084, 18.7062**.

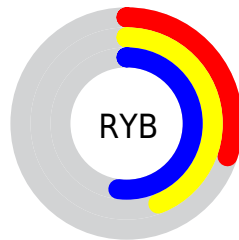
Distribution



Red (30%)

Green (52%)

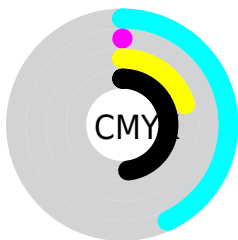
Blue (42%)



Red (30%)

Yellow (44%)

Blue (52%)

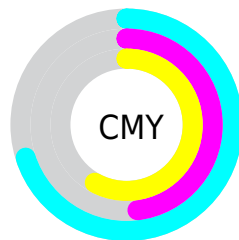


Cyan (43%)

Magenta (0%)

Yellow (20%)

Black (48%)



Cyan (70%)

Magenta (48%)

Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 14.0219, 19.3731, 16.9103 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 14.0219, 19.3731, 16.9103 by changing the saturation by 10% instead.

■ 14.0219, 19.3731,
16.9103

■ 14.0219, 19.3731,
16.9103

210.8749,
248.5008, 246.6814

■ 8.2177, 11.9402,
10.0093

■ 32.7138, 42.3636,
38.9600

■ 4.2875, 6.7030,
5.2994

■ 46.3323, 58.6900,
54.9458

■ 1.8661, 3.2770,
2.3622

■ 63.2861, 78.7496,
74.7969

■ 0.5570, 1.2780,
0.7658

■ 83.9409, 102.9270,
98.9319

■ 0.0000, 0.1241,
0.0000

■ 108.6617,
131.6063, 127.7693

■ 0.0000, 0.0000,
0.0000

137.8141,

165.1722, 161.7276

171.7634,
204.0089, 201.2255

■ 14.0219, 19.3731,
16.9103

■ 14.0219, 19.3731,
16.9103

■ 12.7645, 18.7610,
15.2435

■ 15.5212, 20.1084,
18.7062

■ 11.7335, 18.2626,
13.7015

■ 17.2738, 20.9710,
20.6328

■ 10.9138, 17.8706,
12.2814

■ 19.2920, 21.9679,
22.6933

■ 10.2877, 17.5760,
10.9800

■ 21.5870, 23.1048,
24.8905

■ 9.8346, 17.3682,
9.7936

■ 24.1693, 24.3870,
27.2269

■ 9.5684, 17.2480,
9.0128

■ 27.0487, 25.8195,
29.7051

■ 30.2348, 27.4072,
32.3276

■ 33.7365, 29.1547,
35.0968

■ 37.5624, 31.0665,
38.0150

Harmonies

Analogous

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



15.2462, 19.3731, 12.0592



14.0219, 19.3731, 16.9103



13.9036, 19.3731, 24.2105

Triad

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



14.0219, 19.3731, 16.9103



19.4718, 19.3731, 38.6332



22.4323, 19.3731, 12.8426

Complementary

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



14.0219, 19.3731, 16.9103



14.6563, 11.1153, 13.9442

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.



23.8065, 19.3731, 18.2572



14.0219, 19.3731, 16.9103



21.9917, 19.3731, 33.7885

Square

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



14.0219, 19.3731, 16.9103



16.8880, 19.3731, 38.0263



23.6380, 19.3731, 25.9164



20.0283, 19.3731, 10.1242

Rectangle

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



14.0219, 19.3731, 16.9103



14.4521, 19.3731, 29.6837



23.6380, 19.3731, 25.9164



23.0398, 19.3731, 14.3453

Sweetspot

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



14.0224, 19.3739, 16.9107



34.3779, 39.2551, 40.4705



15.2404, 20.1577, 9.9254



7.5804, 8.7624, 8.9535



64.0503, 67.3860, 73.3833



8.9945, 9.4630, 10.3052

Same Dimension

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



14.0224, 19.3739, 16.9107



23.0014, 33.6656, 27.4979



15.3445, 19.4903, 25.1445



4.7143, 5.2440, 5.5068



9.1179, 16.4300, 8.6061



0.0353, 0.0584, 0.0492

Inverse Universe

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



14.6563, 11.1153, 13.9442



24.2892, 16.9101, 21.4884



13.6953, 10.9434, 8.2283



4.7543, 4.7214, 5.3187



10.0114, 5.0689, 4.6325



0.0383, 0.0190, 0.0351

Previews

White Background



This preview shows how the XYZ color 14.0219, 19.3731, 16.9103 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 14.0219, 19.3731, 16.9103 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 14.0219, 19.3731, 16.9103

Background



This preview shows how black text looks on a background with the XYZ color 14.0219, 19.3731, 16.9103.



This preview shows how white text looks on a background with the XYZ color 14.0219, 19.3731,

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

14.0219, 19.3731, 16.9103

Protanopia

18.0884, 19.2035, 15.0652

Deuteranopia

19.4923, 19.1667, 17.4240



Tritanopia

16.1666, 19.4494, 27.3281

Trichromacy



Original Color

14.0219, 19.3731, 16.9103

Protanomaly

16.0885, 18.8977, 15.6316

Deuteranomaly

16.9135, 18.9149, 17.2275

Tritanomaly

15.2067, 19.2469, 22.9922

Monochromacy



Original Color

14.0219, 19.3731, 16.9103

Achromatopsia

15.6958, 16.5132, 17.9829

Achromatomaly

14.8412, 17.2900, 17.5940

CSS Examples

Text

The CSS property to change the color of the text to XYZ 14.0219, 19.3731, 16.9103 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(76, 133, 107)` looks like.

```
.text, #text, p{  
  color:rgb(76, 133, 107)  
}
```

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(76, 133, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(76, 133, 107) }
```

Border

The CSS property to change the border of an element to XYZ 14.0219, 19.3731, 16.9103 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(76, 133, 107) }
```


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

```
.border{ border-color:rgb(76, 133, 107) }
```

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

Here you see how a box with a 4 pixel `rgb(76, 133, 107)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(76, 133, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(76, 133, 107);  
box-shadow:4px 4px 4px 4px rgb(76, 133,  
107) }
```

Background

The CSS property to change the background color of an element to XYZ 14.0219, 19.3731, 16.9103 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(76, 133, 107) }
```

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

```
.background{ background-color: rgb(76, 133,  
107) }
```

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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