

Converting Colors

XYZ(14.0458, 14.8589, 19.8087)

Have a look what the booklet for
XYZ(14.0458, 14.8589, 19.8087)
contains.

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Color

**XYZ(14.0083, 14.7905,
19.8858)**

Conversions

Conversions Part 1

Format	Color
Hex	646C78
RGB	100, 108, 120
RGB Percent	39%, 42%, 47%
CMY	0.6078, 0.5765, 0.5294
CMYK	0.17, 0.10, 0.00, 0.53
HSL	216°, 9%, 43%
HSV	216°, 17%, 47%
XYZ	14.0083, 14.7905, 19.8858
YIQ	106.9760, -8.6200, 2.0360

Conversions

Conversions Part 2

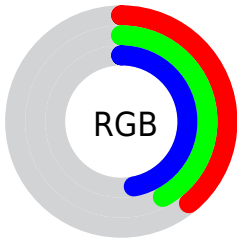
Format	Color
R_{YB}	100, 106, 120
Decimal	6581368
CIE Lab	45.35, -0.31, -7.70
CIE LCh	45, 7.710, 267.684
Yxy	14.7905, 0.2877, 0.3038
Android (android.graphics.Color)	4284771448 (0xFF646C78)
YUV	106.9760, 6.4208, -6.1180
Hunter-Lab	38.4584, -2.2844, -3.7363

Details

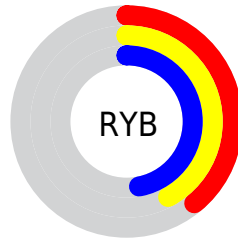
The XYZ color **14.0083, 14.7905, 19.8858** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **15.8404, 16.5017, 14.4073**, and the grayscale version is **13.9533, 14.6800, 15.9865**.

A 20% lighter version of the original color is **32.6070, 34.3541, 43.9422**, and **4.3066, 4.5623, 6.7845** is the 20% darker color. If you saturate the color by 10%, you get **12.0494, 12.7000, 19.5858**, and if you desaturate by 10%, it is **16.2263, 17.1085, 20.2166**.

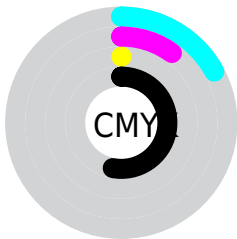
Distribution



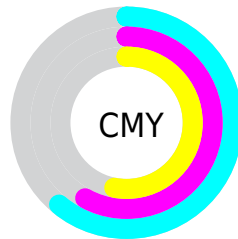
- Red (39%)
- Green (42%)
- Blue (47%)



- Red (39%)
- Yellow (42%)
- Blue (47%)



- Cyan (17%)
- Magenta (10%)
- Yellow (0%)
- Black (53%)



- Cyan (61%)
- Magenta (58%)
- Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 14.0083, 14.7905, 19.8858 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 14.0083, 14.7905, 19.8858 by changing the saturation by 10% instead.

■ 14.0083, 14.7905,
19.8858

■ 14.0083, 14.7905,
19.8858

210.7920,
222.0946, 263.8800

■ 8.2082, 8.6725,
12.1288

■ 32.6899, 34.4852,
44.0821

■ 4.2814, 4.5282,
6.7079

■ 46.3021, 48.8307,
61.3585

■ 1.8625, 1.9732,
3.2044

■ 63.2490, 66.6875,
82.6450

■ 0.5549, 0.5918,
1.1999

■ 83.8960, 88.4400,
108.3604

■ 0.0000, 0.0000,
0.0000

108.6085,
114.4726, 138.9230

137.7517,

145.1696, 174.7514

171.6911,
180.9155, 216.2642

■ 14.0083, 14.7905,
19.8858

■ 14.0083, 14.7905,
19.8858

■ 12.0494, 12.7000,
19.5858

■ 16.2263, 17.1085,
20.2166

■ 10.3383, 10.8277,
19.3146

■ 18.7116, 19.6591,
20.5779

■ 8.8648, 9.1663,
19.0716

■ 21.4735, 22.4498,
20.9710

■ 7.6172, 7.7076,
18.8558

■ 24.5206, 25.4868,
21.3966

■ 6.5830, 6.4425,
18.6661

■ 27.8611, 28.7764,
21.8555

■ 5.7483, 5.3612,
18.5014

■ 31.5027, 32.3245,
22.3484

■ 5.0972, 4.4527,
18.3603

■ 35.4530, 36.1368,
22.8760

■ 4.5983, 3.6980,
18.2409

■ 39.7191, 40.2189,
23.4391

■ 4.4474, 3.4704,
18.2050

■ 44.3082, 44.5761,
24.0383

Harmonies

Analogous

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



13.4107, 14.7905, 19.2678



14.0083, 14.7905, 19.8858



14.6370, 14.7905, 19.4286

Triad

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



14.0083, 14.7905, 19.8858



15.1752, 14.7905, 14.5229



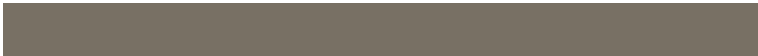
13.0441, 14.7905, 14.2941

Complementary

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



14.0083, 14.7905, 19.8858



15.8404, 16.5017, 14.4073

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.



13.4943, 14.7905, 13.1827



14.0083, 14.7905, 19.8858



14.7256, 14.7905, 13.3076

Square

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



14.0083, 14.7905, 19.8858



15.3228, 14.7905, 16.2471



14.1077, 14.7905, 12.8355



12.8647, 14.7905, 15.9625

Rectangle

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



14.0083, 14.7905, 19.8858



14.9870, 14.7905, 18.5935



14.1077, 14.7905, 12.8355



13.1681, 14.7905, 13.8479

Sweetspot

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



14.0087, 14.7911, 19.8861



29.1823, 30.7556, 35.6514



14.8785, 17.3050, 17.7885



6.8594, 7.2304, 8.4408



59.0181, 62.0916, 67.6177



7.4413, 7.8288, 8.5256

Same Dimension

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



14.0087, 14.7911, 19.8861



23.2680, 24.5618, 34.7676



13.3895, 13.2762, 19.6264



3.9170, 4.1323, 5.0343



4.8384, 3.7593, 19.8559



22.2949, 16.3624, 94.4530

Inverse Universe

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



15.0101, 14.1906, 16.1359



25.3934, 23.3518, 26.7928



16.5336, 18.2282, 14.7041



4.0586, 4.0392, 4.5061



9.0256, 4.5864, 3.4255



42.6566, 21.7190, 14.2534

Previews

White Background



This preview shows how the XYZ color 14.0083, 14.7905, 19.8858 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 14.0083, 14.7905, 19.8858 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

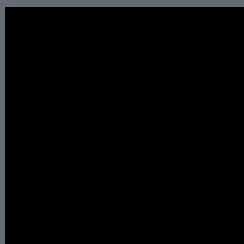
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

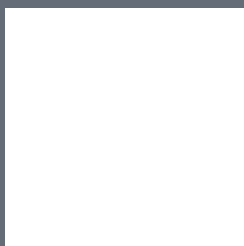
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 14.0083, 14.7905, 19.8858

Background



This preview shows how black text looks on a background with the XYZ color 14.0083, 14.7905, 19.8858.

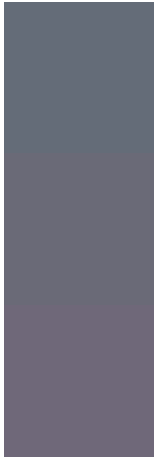


This preview shows how white text looks on a background with the XYZ color 14.0083, 14.7905,

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

14.0083, 14.7905, 19.8858

Protanopia

14.4277, 14.7041, 19.5305

Deuteranopia

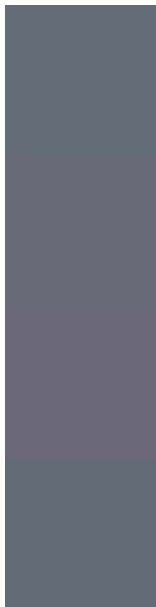
14.9570, 14.6606, 20.1306



Tritanopia

13.7190, 14.6621, 18.9366

Trichromacy



Original Color

14.0083, 14.7905, 19.8858

Protanomaly

14.2964, 14.7904, 19.5541

Deuteranomaly

14.5662, 14.6094, 20.1413

Tritanomaly

13.7782, 14.6858, 19.2480

Monochromacy



Original Color

14.0083, 14.7905, 19.8858

Achromatopsia

13.9749, 14.7027, 16.0113

Achromatomaly

13.8912, 14.6283, 17.4206

CSS Examples

Text

The CSS property to change the color of the text to XYZ 14.0083, 14.7905, 19.8858 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(100, 108, 120)` looks like.

```
.text, #text, p{  
    color:rgb(100, 108, 120)  
}
```

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(100, 108, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 108, 120) }
```

Border

The CSS property to change the border of an element to XYZ 14.0083, 14.7905, 19.8858 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(100, 108, 120) }
```


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

```
.border{ border-color:rgb(100, 108, 120) }
```

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

Here you see how a box with a 4 pixel `rgb(100, 108, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 108, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 108, 120);  
box-shadow:4px 4px 4px 4px rgb(100, 108,  
120) }
```

Background

The CSS property to change the background color of an element to XYZ 14.0083, 14.7905, 19.8858 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 108, 120) }
```

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

```
.background{ background-color: rgb(100,  
108, 120) }
```

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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