

Converting Colors

XYZ(19.7051, 13.4359, 10.2107)

Have a look what the booklet for
XYZ(19.7051, 13.4359, 10.2107)
contains.

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Color

**XYZ(19.6829, 13.3976,
10.1429)**

Conversions

Conversions Part 1

Format	Color
Hex	A64855
RGB	166, 72, 85
RGB Percent	65%, 28%, 33%
CMY	0.3490, 0.7176, 0.6667
CMYK	0.00, 0.57, 0.49, 0.35
HSL	352°, 39%, 47%
HSV	352°, 57%, 65%
XYZ	19.6829, 13.3976, 10.1429
YIQ	101.5880, 51.8510, 23.9710

Conversions

Conversions Part 2

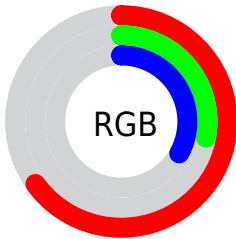
Format	Color
R_{YB}	166, 72, 85
Decimal	10897493
CIE Lab	43.36, 39.97, 11.68
CIE LCh	43, 41.639, 16.284
Yxy	13.3976, 0.4554, 0.3100
Android (android.graphics.Color)	4289087573 (0xFFA64855)
YUV	101.5880, -8.1779, 56.4893
Hunter-Lab	36.6027, 31.9325, 9.1922

Details

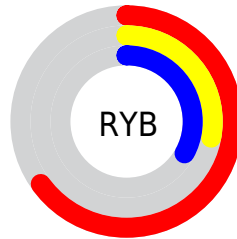
The XYZ color **19.6829, 13.3976, 10.1429** is a dark color, and the websafe version is hex **993333**. A complement of this color would be **22.0592, 30.9503, 34.9505**, and the grayscale version is **12.5336, 13.1863, 14.3599**.

A 20% lighter version of the original color is **42.2512, 31.9838, 26.5009**, and **7.0463, 3.9339, 2.3954** is the 20% darker color. If you saturate the color by 10%, you get **18.2389, 11.3291, 7.1355**, and if you desaturate by 10%, it is **21.5322, 16.0930, 13.8525**.

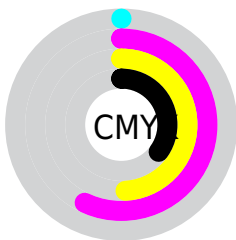
Distribution



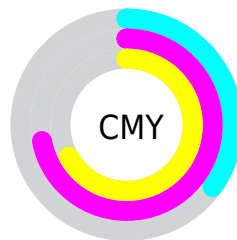
- Red (65%)
- Green (28%)
- Blue (33%)



- Red (65%)
- Yellow (28%)
- Blue (33%)



- Cyan (0%)
- Magenta (57%)
- Yellow (49%)
- Black (35%)





- Cyan (35%)
- Magenta (72%)
- Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.6829, 13.3976, 10.1429 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 19.6829, 13.3976, 10.1429 by changing the saturation by 10% instead.


 19.6829, 13.3976,
10.1429


 19.6829, 13.3976,
10.1429


243.0597,
213.4504, 202.2107


 12.2717, 7.7029,
5.3870


 42.3929, 32.0163,
26.6759


 7.0025, 3.9054,
2.4134


 58.4224, 45.7090,
39.2901

 3.5100, 1.6208,
0.7937

 78.0554, 62.8366,
55.3608

 1.4289, 0.3716,
0.0000

 101.6572, 83.7834,
75.3066

 0.2766, 0.0000,
0.0000

 129.5931,
108.9337, 99.5459

 0.0000, 0.0000,
0.0000

162.2286,

138.6721, 128.4973

199.9290,
173.3828, 162.5794

■ 19.6829, 13.3976,
10.1429

■ 19.6829, 13.3976,
10.1429

■ 18.2389, 11.3291,
7.1355

■ 21.5322, 16.0930,
13.8525

■ 17.1683, 9.8346,
4.7850

■ 23.8135, 19.4581,
18.3043

■ 16.4361, 8.8564,
3.0417

■ 26.5522, 23.5346,
23.5361

■ 15.9936, 8.3114,
1.8462

■ 29.7716, 28.3602,
29.5830

■ 15.8799, 8.1686,
1.5477

■ 33.4934, 33.9696,
36.4778

■ 37.7379, 40.3959,
44.2516

■ 42.5242, 47.6698,
52.9339

■ 47.8707, 55.8206,
62.5528

■ 53.7945, 64.8763,
73.1352

Harmonies

Analogous

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



19.7794, 13.3976, 19.2302



19.6829, 13.3976, 10.1429



17.5322, 13.3976, 5.1316

Triad

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



19.6829, 13.3976, 10.1429



8.7481, 13.3976, 5.4179



11.3159, 13.3976, 39.6246

Complementary

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



19.6829, 13.3976, 10.1429



22.0592, 30.9503, 34.9505

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.



8.9024, 13.3976, 31.6132



19.6829, 13.3976, 10.1429



7.5986, 13.3976, 10.7598

Square

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



19.6829, 13.3976, 10.1429



11.0690, 13.3976, 3.3021



7.6498, 13.3976, 20.1717



14.5581, 13.3976, 39.2240

Rectangle

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



19.6829, 13.3976, 10.1429



15.4020, 13.3976, 3.6041



7.6498, 13.3976, 20.1717



10.3934, 13.3976, 37.7171

Sweetspot

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



19.6832, 13.3983, 10.1431



53.5992, 50.8192, 52.8812



22.1309, 14.0544, 37.6225



11.7314, 10.9772, 11.3420



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

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



19.6832, 13.3983, 10.1431



32.5256, 19.7478, 11.7116



21.9374, 18.6584, 8.5771



7.5718, 7.5586, 8.0623



12.3249, 6.3387, 1.2568



0.3121, 0.1591, 0.0953

Inverse Universe

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



19.6832, 13.3983, 10.1431



32.5256, 19.7478, 11.7116



17.9573, 20.9340, 39.1704



7.5718, 7.5586, 8.0623



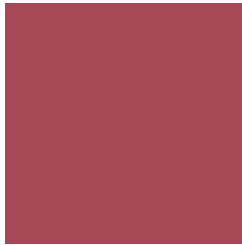
12.3249, 6.3387, 1.2568



0.3121, 0.1591, 0.0953

Previews

White Background



This preview shows how the XYZ color 19.6829, 13.3976, 10.1429 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 19.6829, 13.3976, 10.1429 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

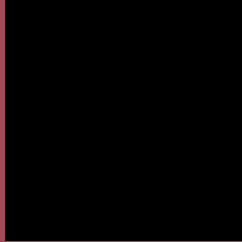
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 19.6829, 13.3976, 10.1429

Background



This preview shows how black text looks on a background with the XYZ color 19.6829, 13.3976, 10.1429.



This preview shows how white text looks on a background with the XYZ color 19.6829, 13.3976,

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

19.6829, 13.3976, 10.1429

Protanopia

13.0249, 13.6433, 14.2589

Deuteranopia

13.8322, 13.5827, 9.6773



Tritanopia

19.4836, 13.4221, 8.7716

Trichromacy



Original Color

19.6829, 13.3976, 10.1429

Protanomaly

14.6451, 12.9925, 12.5624

Deuteranomaly

15.4119, 13.0723, 9.6936

Tritanomaly

19.5936, 13.4662, 9.3511

Monochromacy



Original Color

19.6829, 13.3976, 10.1429

Achromatopsia

12.6291, 13.2868, 14.4694

Achromatomaly

14.3099, 12.6867, 12.7609

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.6829, 13.3976, 10.1429 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(166, 72, 85)` looks like.

```
.text, #text, p{  
    color:rgb(166, 72, 85)  
}
```

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(166, 72, 85) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 72, 85) }
```

Border

The CSS property to change the border of an element to XYZ 19.6829, 13.3976, 10.1429 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(166, 72, 85) }
```


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

```
.border{ border-color:rgb(166, 72, 85) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 72, 85)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 72, 85); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 72, 85);  
box-shadow:4px 4px 4px 4px rgb(166, 72,  
85) }
```

Background

The CSS property to change the background color of an element to XYZ 19.6829, 13.3976, 10.1429 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 72, 85) }
```

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

```
.background{ background-color: rgb(166, 72,  
85) }
```

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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