

Converting Colors

XYZ(19.0951, 10.1400, 6.7563)

Have a look what the booklet for
XYZ(19.0951, 10.1400, 6.7563)
contains.

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Color

**XYZ(19.0716, 10.1300,
6.7444)**

Conversions

Conversions Part 1

Format	Color
Hex	AF1646
RGB	175, 22, 70
RGB Percent	69%, 9%, 27%
CMY	0.3137, 0.9137, 0.7255
CMYK	0.00, 0.87, 0.60, 0.31
HSL	341°, 78%, 39%
HSV	341°, 87%, 69%
XYZ	19.0716, 10.1300, 6.7444
YIQ	73.2190, 75.7800, 47.3640

Conversions

Conversions Part 2

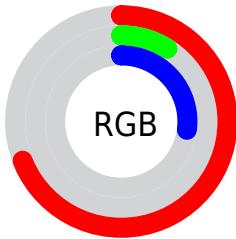
Format	Color
R_{YB}	175, 22, 70
Decimal	11474502
CIE _{Lab}	38.07, 59.64, 14.10
CIE _{LCh}	38, 61.283, 13.301
Yxy	10.1300, 0.5306, 0.2818
Android (android.graphics.Color)	4289664582 (0xFFAF1646)
YUV	73.2190, -1.5870, 89.2619
Hunter-Lab	31.8277, 51.2614, 9.7156

Details

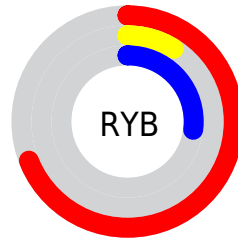
The XYZ color **19.0716, 10.1300, 6.7444** is a dark color, and the websafe version is hex **990033**. A complement of this color would be **19.4931, 32.3633, 25.3040**, and the grayscale version is **6.3661, 6.6976, 7.2937**.

A 20% lighter version of the original color is **41.2703, 25.9573, 19.9746**, and **7.2798, 3.7287, 1.4346** is the 20% darker color. If you saturate the color by 10%, you get **18.4916, 9.5174, 4.8639**, and if you desaturate by 10%, it is **19.9452, 11.2086, 9.0971**.

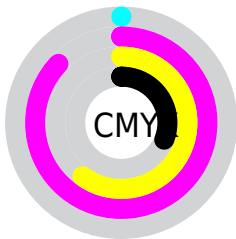
Distribution



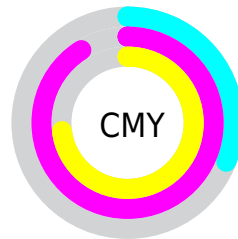
- Red (69%)
- Green (9%)
- Blue (27%)



- Red (69%)
- Yellow (9%)
- Blue (27%)



- Cyan (0%)
- Magenta (87%)
- Yellow (60%)
- Black (31%)





- Cyan (31%)
- Magenta (91%)
- Yellow (73%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.0716, 10.1300, 6.7444 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 19.0716, 10.1300, 6.7444 by changing the saturation by 10% instead.


 19.0716, 10.1300,
6.7444


 19.0716, 10.1300,
6.7444


239.7743,
191.5974, 175.0722


 11.8263, 5.4852,
3.2268


 41.3710, 26.0397,
19.9612


 6.6969, 2.5347,
1.2116


 57.1558, 38.0735,
30.4974


 3.3179, 0.8939,
0.0000

 76.5179, 53.3390,
44.2102

 1.3240, 0.0000,
0.0000

 99.8226, 72.2208,
61.5181

 0.2011, 0.0000,
0.0000

 127.4352, 95.1031,
82.8398

 0.0000, 0.0000,
0.0000

 159.7211,

122.3703, 108.5936

197.0457,
154.4070, 139.1983

■ 19.0716, 10.1300,
6.7444

■ 19.0716, 10.1300,
6.7444

■ 18.4916, 9.5174,
4.8639

■ 19.9452, 11.2086,
9.0971

■ 18.3660, 9.3887,
4.4446

■ 21.1645, 12.8505,
11.9598

■ 22.7659, 15.1222,
15.3638

■ 24.7805, 18.0803,
19.3372

■ 27.2361, 21.7752,
23.9063

■ 30.1583, 26.2522,
29.0952

■ 33.5702, 31.5533,
34.9270

■ 37.4937, 37.7172,
41.4234

■ 41.9491, 44.7803,
48.6049

Harmonies

Analogous

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



18.8884, 10.1300, 18.5345



19.0716, 10.1300, 6.7444



16.2804, 10.1300, 1.8270

Triad

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



19.0716, 10.1300, 6.7444



5.3024, 10.1300, 1.5655



7.6067, 10.1300, 47.7323

Complementary

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



19.0716, 10.1300, 6.7444



19.4931, 32.3633, 25.3040

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.



5.0913, 10.1300, 33.6823



19.0716, 10.1300, 6.7444



4.0321, 10.1300, 5.8861

Square

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



19.0716, 10.1300, 6.7444



7.9846, 10.1300, 0.4199



3.9672, 10.1300, 16.8288



11.4834, 10.1300, 48.6242

Rectangle

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



19.0716, 10.1300, 6.7444



13.4595, 10.1300, 0.7618



3.9672, 10.1300, 16.8288



6.6032, 10.1300, 44.1057

Sweetspot

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



19.0718, 10.1306, 6.7445



54.5658, 47.8713, 53.0699



16.7114, 8.1476, 41.2491



11.7059, 9.9894, 11.0589



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

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



19.0718, 10.1306, 6.7445



32.8060, 16.7800, 7.5017



18.9675, 11.4586, 1.9720



8.1049, 8.0552, 8.8630



13.1775, 6.7336, 3.3144



0.3916, 0.1973, 0.2242

Inverse Universe

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



19.0718, 10.1306, 6.7445



32.8060, 16.7800, 7.5017



18.4955, 24.1187, 44.2378



8.1049, 8.0552, 8.8630



13.1775, 6.7336, 3.3144



0.3916, 0.1973, 0.2242

Previews

White Background



This preview shows how the XYZ color 19.0716, 10.1300, 6.7444 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 19.0716, 10.1300, 6.7444 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

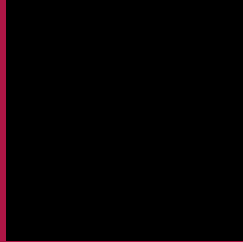
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 19.0716, 10.1300, 6.7444

Background



This preview shows how black text looks on a background with the XYZ color 19.0716, 10.1300, 6.7444.



This preview shows how white text looks on a background with the XYZ color 19.0716, 10.1300,

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

19.0716, 10.1300, 6.7444

Protanopia

10.2578, 10.5759, 13.5573

Deuteranopia

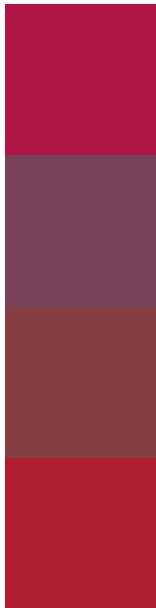
10.6121, 10.4265, 6.1558



Tritanopia

18.3021, 10.2525, 2.4532

Trichromacy



Original Color

19.0716, 10.1300, 6.7444

Protanomaly

11.6365, 8.6826, 10.5138

Deuteranomaly

12.4337, 8.9349, 6.2235

Tritanomaly

18.4130, 10.1245, 3.5685

Monochromacy



Original Color

19.0716, 10.1300, 6.7444

Achromatopsia

6.3328, 6.6626, 7.2556

Achromatomaly

8.9193, 6.4212, 6.9002

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.0716, 10.1300, 6.7444 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(175, 22, 70)` looks like.

```
.text, #text, p{  
    color:rgb(175, 22, 70)  
}
```

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(175, 22, 70) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 22, 70) }
```

Border

The CSS property to change the border of an element to XYZ 19.0716, 10.1300, 6.7444 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(175, 22, 70) }
```


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

```
.border{ border-color:rgb(175, 22, 70) }
```

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

Here you see how a box with a 4 pixel rgb(175, 22, 70) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 22, 70); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 22, 70);  
box-shadow:4px 4px 4px 4px rgb(175, 22,  
70) }
```

Background

The CSS property to change the background color of an element to XYZ 19.0716, 10.1300, 6.7444 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 22, 70) }
```

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

```
.background{ background-color: rgb(175, 22,  
70) }
```

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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