

Converting Colors

XYZ(19.6881, 11.2385, 5.1346)

Have a look what the booklet for
XYZ(19.6881, 11.2385, 5.1346)
contains.

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Color

**XYZ(19.6881, 11.2385,
5.1346)**

Conversions

Conversions Part 1

Format	Color
Hex	B1293A
RGB	177, 41, 58
RGB Percent	69%, 16%, 23%
CMY	0.3059, 0.8392, 0.7725
CMYK	0.00, 0.77, 0.67, 0.31
HSL	353°, 62%, 43%
HSV	353°, 77%, 69%
XYZ	19.6881, 11.2385, 5.1346
YIQ	83.6020, 75.5990, 34.1190

Conversions

Conversions Part 2

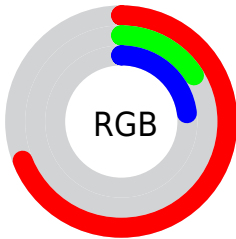
Format	Color
R_{YB}	177, 41, 58
Decimal	11610426
CIE _{Lab}	39.98, 54.55, 24.26
CIE _{LCh}	40, 59.702, 23.975
Yxy	11.2385, 0.5460, 0.3117
Android (android.graphics.Color)	4289800506 (0xFFB1293A)
YUV	83.6020, -12.6218, 81.9100
Hunter-Lab	33.5239, 46.1638, 14.3857

Details

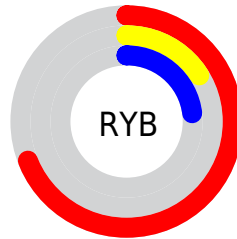
The XYZ color **19.6881, 11.2385, 5.1346** is a dark color, and the websafe version is hex **990033**. A complement of this color would be **22.9829, 34.4540, 38.7011**, and the grayscale version is **8.3601, 8.7955, 9.5783**.

A 20% lighter version of the original color is **42.5141, 28.1060, 16.5489**, and **7.4296, 3.8193, 0.8358** is the 20% darker color. If you saturate the color by 10%, you get **18.8711, 10.1431, 3.2021**, and if you desaturate by 10%, it is **20.8993, 12.9329, 7.7835**.

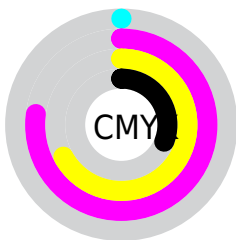
Distribution



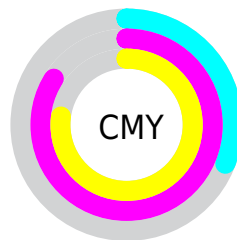
- Red (69%)
- Green (16%)
- Blue (23%)



- Red (69%)
- Yellow (16%)
- Blue (23%)



- Cyan (0%)
- Magenta (77%)
- Yellow (67%)
- Black (31%)





- Cyan (31%)
- Magenta (84%)
- Yellow (77%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 19.6881, 11.2385, 5.1346 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 19.6881, 11.2385, 5.1346 by changing the saturation by 10% instead.


 19.6881, 11.2385,
5.1346


 19.6881, 11.2385,
5.1346


243.0875,
199.2966, 160.1065


 12.2755, 6.2275,
2.2663


 42.4016, 28.1004,
16.5518

 7.0051, 2.9839,
0.7123


 58.4331, 40.7200,
25.9379


 3.5117, 1.1233,
0.0000

 78.0684, 56.6446,
38.3337

 1.4298, 0.0000,
0.0000

 101.6727, 76.2587,
54.1576

 0.2773, 0.0000,
0.0000

 129.6114, 99.9465,
73.8283

 0.0000, 0.0000,
0.0000

 162.2499,

128.0925, 97.7644

199.9534,
161.0810, 126.3842

■ 19.6881, 11.2385,
5.1346

■ 19.6881, 11.2385,
5.1346

■ 18.8711, 10.1431,
3.2021

■ 20.8993, 12.9329,
7.7835

■ 18.3903, 9.5481,
1.9120

■ 22.5464, 15.2936,
11.2100

■ 18.2772, 9.4054,
1.6169

■ 24.6663, 18.3812,
15.4692

■ 27.2921, 22.2486,
20.6110

■ 30.4535, 26.9442,
26.6815

■ 34.1782, 32.5122,
33.7234

■ 38.4919, 38.9937,
41.7770

■ 43.4187, 46.4272,
50.8799

■ 48.9813, 54.8490,
61.0681

Harmonies

Analogous

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



20.6664, 11.2385, 14.7784



19.6881, 11.2385, 5.1346



16.0567, 11.2385, 1.5271

Triad

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



19.6881, 11.2385, 5.1346



5.4669, 11.2385, 3.1509



9.8710, 11.2385, 51.5596

Complementary

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



19.6881, 11.2385, 5.1346



22.9829, 34.4540, 38.7011

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.



6.6642, 11.2385, 41.3220



19.6881, 11.2385, 5.1346



4.5778, 11.2385, 10.0048

Square

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



19.6881, 11.2385, 5.1346



7.7731, 11.2385, 1.0058



4.9515, 11.2385, 23.9775



14.2385, 11.2385, 46.9223

Rectangle

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



19.6881, 11.2385, 5.1346



13.0236, 11.2385, 0.8073



4.9515, 11.2385, 23.9775



8.6391, 11.2385, 49.6100

Sweetspot

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



19.6884, 11.2392, 5.1348



56.7183, 51.5040, 51.9208



23.0009, 12.1183, 42.7214



11.8070, 10.4386, 10.3312



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.



19.6884, 11.2392, 5.1348



33.1637, 17.3722, 4.0616



22.2620, 16.9678, 4.2006



8.5381, 8.5220, 9.0663



13.2554, 6.8197, 1.2390



0.4308, 0.2201, 0.1113

Inverse Universe

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



19.6884, 11.2392, 5.1348



33.1637, 17.3722, 4.0616



16.4577, 18.8601, 44.3675



8.5381, 8.5220, 9.0663



13.2554, 6.8197, 1.2390



0.4308, 0.2201, 0.1113

Previews

White Background



This preview shows how the XYZ color 19.6881, 11.2385, 5.1346 looks on a white background.

Color Contrast Check

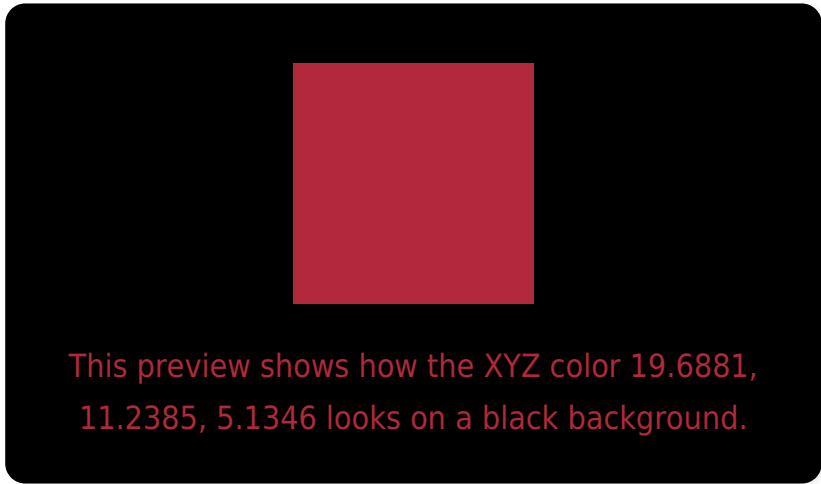
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

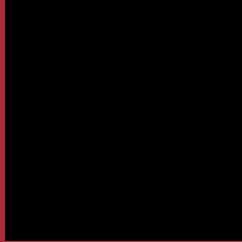
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 19.6881, 11.2385, 5.1346

Background



This preview shows how black text looks on a background with the XYZ color 19.6881, 11.2385, 5.1346.

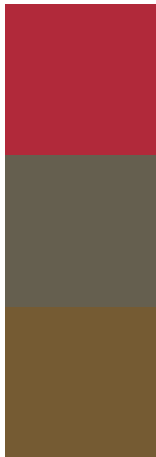


This preview shows how white text looks on a background with the XYZ color 19.6881, 11.2385,

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

19.6881, 11.2385, 5.1346

Protanopia

10.8703, 11.5156, 9.0469

Deuteranopia

11.6747, 11.5031, 4.7370



Tritanopia

19.5058, 11.3379, 3.6430

Trichromacy



Original Color

19.6881, 11.2385, 5.1346

Protanomaly

12.7067, 10.1542, 7.2515

Deuteranomaly

13.6959, 10.5204, 4.7988

Tritanomaly

19.5711, 11.3052, 4.1682

Monochromacy



Original Color

19.6881, 11.2385, 5.1346

Achromatopsia

8.4267, 8.8656, 9.6546

Achromatomaly

10.8083, 8.4938, 7.7264

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.6881, 11.2385, 5.1346 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(177, 41, 58)` looks like.

```
.text, #text, p{  
    color:rgb(177, 41, 58)  
}
```

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(177, 41, 58) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 41, 58) }
```

Border

The CSS property to change the border of an element to XYZ 19.6881, 11.2385, 5.1346 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(177, 41, 58) }
```


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

```
.border{ border-color:rgb(177, 41, 58) }
```

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

Here you see how a box with a 4 pixel rgb(177, 41, 58) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 41, 58); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 41, 58);  
box-shadow:4px 4px 4px 4px rgb(177, 41,  
58) }
```

Background

The CSS property to change the background color of an element to XYZ 19.6881, 11.2385, 5.1346 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 41, 58) }
```

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

```
.background{ background-color: rgb(177, 41,  
58) }
```

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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