

Converting Colors

XYZ(21.5803, 11.6725, 18.3022)

Have a look what the booklet for
XYZ(21.5803, 11.6725, 18.3022)
contains.

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Color

**XYZ(21.5801, 11.6837,
18.2573)**

Conversions

Conversions Part 1

Format	Color
Hex	AF2476
RGB	175, 36, 118
RGB Percent	69%, 14%, 46%
CMY	0.3137, 0.8588, 0.5373
CMYK	0.00, 0.79, 0.33, 0.31
HSL	325°, 66%, 41%
HSV	325°, 79%, 69%
XYZ	21.5801, 11.6837, 18.2573
YIQ	86.9090, 56.5220, 54.9700

Conversions

Conversions Part 2

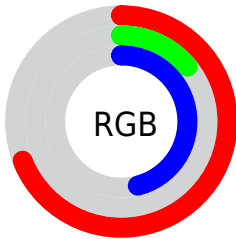
Format	Color
R_{YB}	175, 36, 118
Decimal	11478134
CIE _{Lab}	40.71, 60.59, -12.51
CIE _{LCh}	41, 61.873, 348.333
Yxy	11.6837, 0.4189, 0.2268
Android (android.graphics.Color)	4289668214 (0xFFAF2476)
YUV	86.9090, 15.3279, 77.2558
Hunter-Lab	34.1814, 52.8767, -7.7415

Details

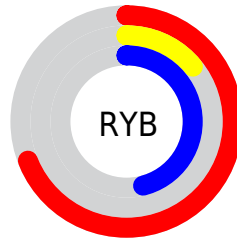
The XYZ color **21.5801, 11.6837, 18.2573** is a dark color, and the websafe version is hex **990066**. A complement of this color would be **18.0341, 31.8258, 15.5506**, and the grayscale version is **9.0001, 9.4688, 10.3115**.

A 20% lighter version of the original color is **45.4621, 28.9441, 41.2209**, and **8.5767, 4.2937, 6.1711** is the 20% darker color. If you saturate the color by 10%, you get **20.7634, 10.7071, 15.9603**, and if you desaturate by 10%, it is **22.6887, 13.1921, 20.8119**.

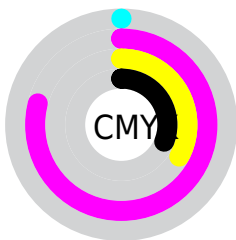
Distribution



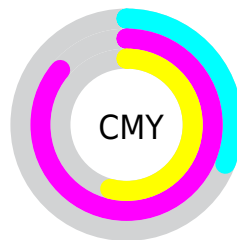
- Red (69%)
- Green (14%)
- Blue (46%)



- Red (69%)
- Yellow (14%)
- Blue (46%)



- Cyan (0%)
- Magenta (79%)
- Yellow (33%)
- Black (31%)



- Cyan (31%)
- Magenta (86%)
- Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.5801, 11.6837, 18.2573 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 21.5801, 11.6837, 18.2573 by changing the saturation by 10% instead.

■ 21.5801, 11.6837,
18.2573

■ 21.5801, 11.6837,
18.2573

253.0193,
202.2999, 254.6020

■ 13.6636, 6.5287,
10.9635

■ 45.5350, 28.9177,
41.2951

■ 7.9672, 3.1691,
5.9284

■ 62.3042, 41.7655,
57.8762

■ 4.1256, 1.2207,
2.7335

■ 82.7549, 57.9463,
78.3902

■ 1.7734, 0.0785,
0.9602

■ 107.2525, 77.8446,
103.2556

■ 0.5016, 0.0000,
0.0000

■ 136.1624,
101.8447, 132.8909

■ 0.0000, 0.0000,
0.0000

■ 169.8499,

130.3310, 167.7147

208.6804,
163.6879, 208.1456

■ 21.5801, 11.6837,
18.2573

■ 21.5801, 11.6837,
18.2573

■ 20.7634, 10.7071,
15.9603

■ 22.6887, 13.1921,
20.8119

■ 20.1710, 10.1282,
13.8946

■ 24.1222, 15.2973,
23.6382

■ 20.1391, 10.0979,
13.7809

■ 25.9100, 18.0570,
26.7496

■ 28.0778, 21.5215,
30.1577

■ 30.6487, 25.7359,
33.8734

■ 33.6439, 30.7420,
37.9069

■ 37.0833, 36.5780,
42.2677

■ 40.9851, 43.2799,
46.9648

■ 45.3668, 50.8816,
52.0069

Harmonies

Analogous

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



18.6708, 11.6837, 36.4792



21.5801, 11.6837, 18.2573



21.1873, 11.6837, 6.5369

Triad

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



21.5801, 11.6837, 18.2573



8.6582, 11.6837, 0.8009



6.3893, 11.6837, 40.6353

Complementary

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



21.5801, 11.6837, 18.2573



18.0341, 31.8258, 15.5506

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.



4.8695, 11.6837, 21.9302



21.5801, 11.6837, 18.2573



5.9216, 11.6837, 2.4732

Square

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



21.5801, 11.6837, 18.2573



12.8992, 11.6837, 0.6707



4.7245, 11.6837, 8.4359



9.4854, 11.6837, 54.0599

Rectangle

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



21.5801, 11.6837, 18.2573



19.1203, 11.6837, 2.8524



4.7245, 11.6837, 8.4359



5.7166, 11.6837, 34.3491

Sweetspot

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



21.5805, 11.6843, 18.2575



57.4800, 50.4007, 64.2116



12.7434, 6.6125, 41.1623



12.3691, 10.5248, 13.7179



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.



21.5805, 11.6843, 18.2575



36.4125, 18.4206, 25.8834



18.8842, 10.6058, 4.0591



8.1960, 8.0916, 9.3428



14.4534, 7.2439, 10.0328



0.4284, 0.2120, 0.4176

Inverse Universe

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



21.5805, 11.6843, 18.2575



36.4125, 18.4206, 25.8834



22.4999, 33.6121, 39.0669



8.1960, 8.0916, 9.3428



14.4534, 7.2439, 10.0328



0.4284, 0.2120, 0.4176

Previews

White Background



This preview shows how the XYZ color 21.5801, 11.6837, 18.2573 looks on a white background.

Color Contrast Check

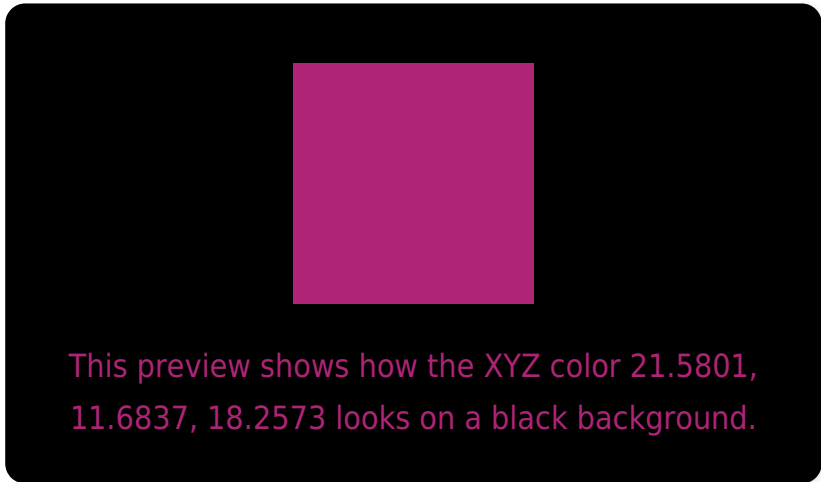
Large Text (above 18pt) WCAG AA ✓ Pass

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

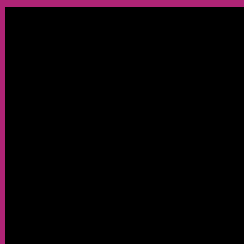
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 21.5801, 11.6837, 18.2573

Background



This preview shows how black text looks on a background with the XYZ color 21.5801, 11.6837, 18.2573.



This preview shows how white text looks on a background with the XYZ color 21.5801, 11.6837,

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

21.5801, 11.6837, 18.2573

Protanopia

13.0227, 12.0653, 34.4434

Deuteranopia

12.2170, 12.0414, 16.7193



Tritanopia

18.9982, 11.8020, 5.4144

Trichromacy



Original Color

21.5801, 11.6837, 18.2573

Protanomaly

13.7895, 10.1624, 27.6203

Deuteranomaly

14.2384, 10.6245, 17.2199

Tritanomaly

19.5595, 11.5465, 8.7872

Monochromacy



Original Color

21.5801, 11.6837, 18.2573

Achromatopsia

9.0590, 9.5307, 10.3790

Achromatomaly

11.8795, 8.9380, 12.6544

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.5801, 11.6837, 18.2573 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, 36, 118)` looks like.

```
.text, #text, p{  
    color:rgb(175, 36, 118)  
}
```

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, 36, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 36, 118) }
```

Border

The CSS property to change the border of an element to XYZ 21.5801, 11.6837, 18.2573 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, 36, 118) }
```


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

```
.border{ border-color:rgb(175, 36, 118) }
```

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

Here you see how a box with a 4 pixel `rgb(175, 36, 118)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(175, 36, 118); -webkit-box-shadow:4px 4px 4px 4px rgb(175, 36, 118); box-shadow:4px 4px 4px 4px rgb(175, 36, 118) }
```

Background

The CSS property to change the background color of an element to XYZ 21.5801, 11.6837, 18.2573 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 36, 118) }
```

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

```
.background{ background-color: rgb(175, 36,  
118) }
```

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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