

Converting Colors

XYZ(17.8271, 8.6606, 7.7570)

Have a look what the booklet for
XYZ(17.8271, 8.6606, 7.7570)
contains.

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Color

**XYZ(18.1341, 9.1937,
7.8400)**

Conversions

Conversions Part 1

Format	Color
Hex	AB004D
RGB	171, 0, 77
RGB Percent	67%, 0%, 30%
CMY	0.3294, 0.9999, 0.6980
CMYK	0.00, 1.00, 0.55, 0.33
HSL	333°, 100%, 34%
HSV	333°, 100%, 67%
XYZ	18.1341, 9.1937, 7.8400
YIQ	59.9070, 77.1990, 60.1990

Conversions

Conversions Part 2

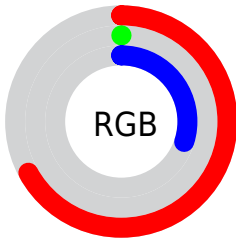
Format	Color
R_{YB}	171, 0, 77
Decimal	11206733
CIE _{Lab}	36.35, 62.18, 7.06
CIE _{LCh}	36, 62.577, 6.480
Yxy	9.1937, 0.5156, 0.2614
Android (android.graphics.Color)	4289396813 (0xFFAB004D)
YUV	59.9070, 8.4268, 97.4286
Hunter-Lab	30.3211, 53.6933, 5.8944

Details

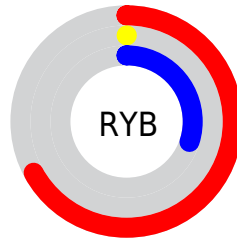
The XYZ color **18.1341, 9.1937, 7.8400** is a dark color, and the websafe version is hex **CC3366**. A complement of this color would be **16.5846, 29.9344, 15.4993**, and the grayscale version is **4.2651, 4.4872, 4.8865**.

A 20% lighter version of the original color is **39.8406, 24.2541, 22.3203**, and **6.9708, 3.5602, 1.8332** is the 20% darker color. If you saturate the color by 10%, you get **18.1336, 9.1935, 7.8374**, and if you desaturate by 10%, it is **18.6928, 9.7411, 9.7842**.

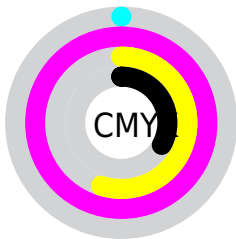
Distribution



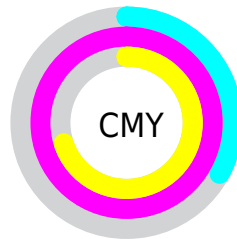
- Red (67%)
- Green (0%)
- Blue (30%)



- Red (67%)
- Yellow (0%)
- Blue (30%)



- Cyan (0%)
- Magenta (100%)
- Yellow (55%)
- Black (33%)





- Cyan (33%)
- Magenta (100%)
- Yellow (70%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.1341, 9.1937, 7.8400 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 18.1341, 9.1937, 7.8400 by changing the saturation by 10% instead.


 18.1341, 9.1937,
7.8400


 18.1341, 9.1937,
7.8400


234.6568,
184.8164, 184.3591


 11.1466, 4.8677,
3.9064


 39.7940, 24.2675,
22.1851


 6.2335, 2.1699,
1.5742


 55.1971, 35.7840,
33.4338


 3.0296, 0.7035,
0.2723

 74.1360, 50.4663,
47.9579

 1.1694, 0.0000,
0.0000

 96.9763, 68.6986,
66.1760

 0.0820, 0.0000,
0.0000

 124.0831, 90.8654,
88.5067

 0.0000, 0.0000,
0.0000

 155.8219,

117.3510, 115.3683

192.5580,
148.5399, 147.1797

■ 18.1341, 9.1937,
7.8400

■ 18.1341, 9.1937,
7.8400

■ 18.1336, 9.1935,
7.8374

■ 18.6928, 9.7411,
9.7842

■ 19.4752, 10.6558,
12.0492

■ 20.5529, 12.0782,
14.6678

■ 21.9593, 14.0725,
17.6598

■ 23.7230, 16.6933,
21.0429

■ 25.8694, 19.9887,
24.8332

■ 28.4215, 24.0022,
29.0460

■ 31.4001, 28.7734,
33.6953

■ 34.8249, 34.3392,
38.7946

Harmonies

Analogous

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



17.2421, 9.1937, 20.8292



18.1341, 9.1937, 7.8400



15.9835, 9.1937, 2.0335

Triad

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



18.1341, 9.1937, 7.8400



5.0898, 9.1937, 0.8644



6.1465, 9.1937, 43.8044

Complementary

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



18.1341, 9.1937, 7.8400



16.5846, 29.9344, 15.4993

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.



4.0997, 9.1937, 28.1903



18.1341, 9.1937, 7.8400



3.6240, 9.1937, 3.7887

Square

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



18.1341, 9.1937, 7.8400



7.9434, 9.1937, 0.0352



3.3228, 9.1937, 12.5483



9.5846, 9.1937, 48.2165

Rectangle

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



18.1341, 9.1937, 7.8400



13.3988, 9.1937, 0.7349



3.3228, 9.1937, 12.5483



5.3073, 9.1937, 39.3304

Sweetspot

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



18.1343, 9.1943, 7.8401



50.6331, 42.5607, 51.5888



11.6862, 5.1757, 38.9109



10.8577, 8.8059, 10.7988



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



18.1343, 9.1943, 7.8401



32.3727, 16.4237, 13.4900



16.8568, 8.7822, 0.8074



8.1495, 8.0731, 9.0981



13.6960, 6.9409, 6.0444



0.4088, 0.2042, 0.3146

Inverse Universe

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



18.1343, 9.1943, 7.8401



32.3727, 16.4237, 13.4900



20.8603, 29.9592, 43.2111



8.1495, 8.0731, 9.0981



13.6960, 6.9409, 6.0444



0.4088, 0.2042, 0.3146

Previews

White Background



This preview shows how the XYZ color 18.1341, 9.1937, 7.8400 looks on a white background.

Color Contrast Check

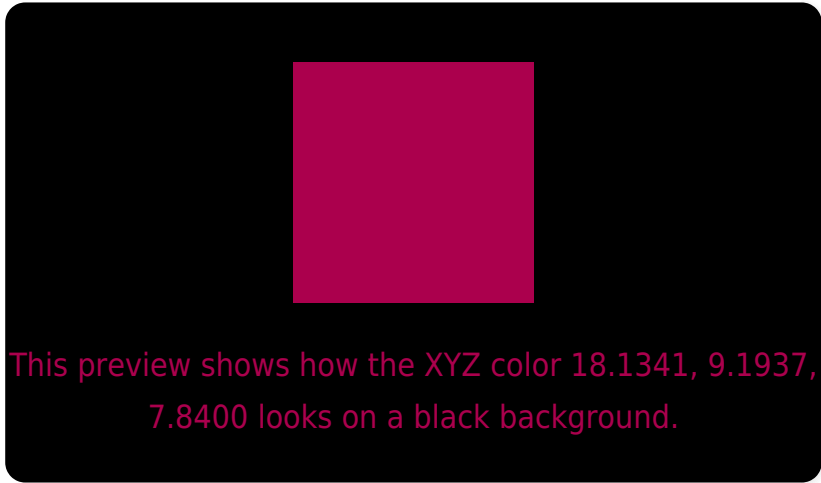
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

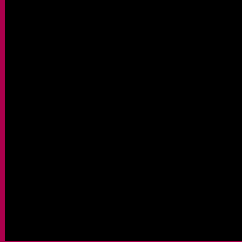
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 18.1341, 9.1937, 7.8400

Background



This preview shows how black text looks on a background with the XYZ color 18.1341, 9.1937, 7.8400.



This preview shows how white text looks on a background with the XYZ color 18.1341, 9.1937,

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

18.1341, 9.1937, 7.8400

Protanopia

9.8125, 9.7801, 16.6998

Deuteranopia

9.9475, 9.8228, 7.1660



Tritanopia

17.0865, 9.5087, 2.1631

Trichromacy



Original Color

18.1341, 9.1937, 7.8400

Protanomaly

10.5577, 7.2106, 12.6397

Deuteranomaly

11.4239, 7.7086, 7.1891

Tritanomaly

17.3408, 9.2516, 3.5611

Monochromacy



Original Color

18.1341, 9.1937, 7.8400

Achromatopsia

4.2949, 4.5186, 4.9208

Achromatomaly

6.9320, 4.4889, 5.6553

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.1341, 9.1937, 7.8400 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(171, 0, 77)` looks like.

```
.text, #text, p{  
    color:rgb(171, 0, 77)  
}
```

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(171, 0, 77) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 0, 77) }
```

Border

The CSS property to change the border of an element to XYZ 18.1341, 9.1937, 7.8400 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(171, 0, 77) }
```


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

```
.border{ border-color:rgb(171, 0, 77) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 0, 77)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 0, 77); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 0, 77);  
box-shadow:4px 4px 4px 4px rgb(171, 0, 77)  
}
```

Background

The CSS property to change the background color of an element to XYZ 18.1341, 9.1937, 7.8400 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 0, 77) }
```

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

```
.background{ background-color: rgb(171, 0,  
77) }
```

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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