

Converting Colors

XYZ(37.1471, 18.7112, 37.2435)

Have a look what the booklet for
XYZ(37.1471, 18.7112, 37.2435)
contains.

XYZ(37.1486, 18.7120, 37.2511)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(37.1486, 18.7120,
37.2511)**

Conversions

Conversions Part 1

Format	Color
Hex	DE13A5
RGB	222, 19, 165
RGB Percent	87%, 7%, 65%
CMY	0.1294, 0.9254, 0.3529
CMYK	0.00, 0.91, 0.26, 0.13
HSL	317°, 84%, 47%
HSV	317°, 91%, 87%
XYZ	37.1486, 18.7120, 37.2511
YIQ	96.3410, 74.1220, 88.4420

Conversions

Conversions Part 2

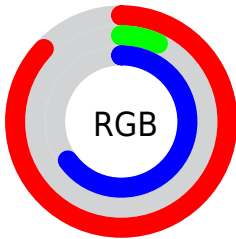
Format	Color
R _{YB}	222, 19, 165
Decimal	14554021
CIE _{Lab}	50.35, 79.59, -25.49
CIE _{LCh}	50, 83.567, 342.243
Yxy	18.7120, 0.3990, 0.2010
Android (android.graphics.Color)	4292744101 (0xFFDE13A5)
YUV	96.3410, 33.8489, 110.2029
Hunter-Lab	43.2574, 77.5920, -20.7774

Details

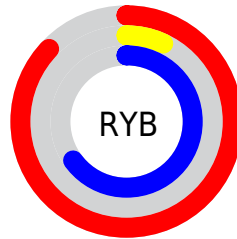
The XYZ color **37.1486, 18.7120, 37.2511** is a dark color, and the websafe version is hex **CC0099**. The color can be described as middle washed rose. A complement of this color would be **27.6960, 52.9037, 15.5946**, and the grayscale version is **11.1126, 11.6913, 12.7319**.

A 20% lighter version of the original color is **58.6201, 35.3510, 71.4439**, and **17.8809, 8.8736, 16.3931** is the 20% darker color. If you saturate the color by 10%, you get **36.4394, 18.0557, 34.6648**, and if you desaturate by 10%, it is **38.2983, 20.0807, 40.5029**.

Distribution



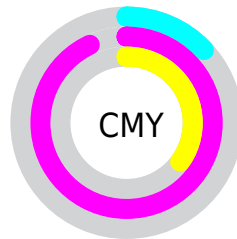
- Red (87%)
- Green (7%)
- Blue (65%)



- Red (87%)
- Yellow (7%)
- Blue (65%)



- Cyan (0%)
- Magenta (91%)
- Yellow (26%)
- Black (13%)





- Cyan (13%)
- Magenta (93%)
- Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.1486, 18.7120, 37.2511 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 37.1486, 18.7120, 37.2511 by changing the saturation by 10% instead.

 37.1486, 18.7120,
37.2511


 37.1486, 18.7120,
37.2511

325.2978,
244.8542, 349.5977

 25.4968, 11.4624,
25.1047


 70.1136, 41.2469,
72.1494


 16.5783, 6.3787,
15.9353


 92.1575, 57.3009,
95.7384


 10.0277, 3.0767,
9.3245


 118.3962, 77.0585,
123.9787

 5.4797, 1.1719,
4.8538

 149.1949,
100.9041, 157.2887

 2.5690, 0.0386,
2.1045

 184.9191,
129.2221, 196.0871

 0.9302, 0.0000,
0.6184

 225.9340,

 0.0000, 0.0000,

162.3968, 240.7924

0.0000

272.6052,
200.8127, 291.8231

■ 37.1486, 18.7120,
37.2511

■ 37.1486, 18.7120,
37.2511

■ 36.4394, 18.0557,
34.6648

■ 38.2983, 20.0807,
40.5029

■ 39.9083, 22.3255,
44.0464

■ 42.0432, 25.5745,
47.9051

■ 44.7564, 29.9339,
52.0985

■ 48.0943, 35.4962,
56.6440

■ 52.0988, 42.3443,
61.5573

■ 56.8077, 50.5538,
66.8527

■ 62.2563, 60.1941,
72.5435

■ 68.4772, 71.3303,
78.6424

Harmonies

Analogous

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



30.4604, 18.7120, 74.5282



37.1486, 18.7120, 37.2511



37.7865, 18.7120, 12.2966

Triad

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



37.1486, 18.7120, 37.2511



14.6796, 18.7120, 0.3595



8.5600, 18.7120, 67.5475

Complementary

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



37.1486, 18.7120, 37.2511



27.6960, 52.9037, 15.5946

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.



6.4857, 18.7120, 31.3854



37.1486, 18.7120, 37.2511



9.2280, 18.7120, 1.9728

Square

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



37.1486, 18.7120, 37.2511



22.9764, 18.7120, 0.5049



6.6858, 18.7120, 9.5651



13.4415, 18.7120, 99.3433

Rectangle

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



37.1486, 18.7120, 37.2511



34.4993, 18.7120, 4.6305



6.6858, 18.7120, 9.5651



7.5891, 18.7120, 54.6865

Sweetspot

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



37.1492, 18.7130, 37.2514



73.9222, 62.4777, 87.2652



16.1776, 7.1632, 69.6374



15.3659, 12.5804, 18.1542



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



37.1492, 18.7130, 37.2514



49.8278, 24.6951, 47.1525



31.3525, 16.3943, 6.7266



14.1223, 13.8665, 16.4140



21.6939, 10.7446, 20.8517



1.5413, 0.7598, 1.6434

Inverse Universe

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



37.1492, 18.7130, 37.2514



49.8278, 24.6951, 47.1525



34.0931, 55.4625, 49.2810



14.1223, 13.8665, 16.4140



21.6939, 10.7446, 20.8517



1.5413, 0.7598, 1.6434

Previews

White Background



This preview shows how the XYZ color 37.1486, 18.7120, 37.2511 looks on a white background.

Color Contrast Check

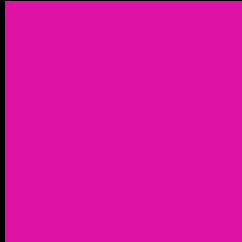
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 37.1486, 18.7120, 37.2511 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

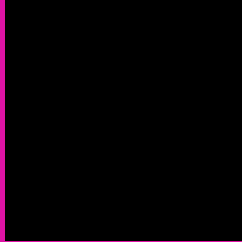
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 37.1486, 18.7120, 37.2511

Background



This preview shows how black text looks on a background with the XYZ color 37.1486, 18.7120, 37.2511.



This preview shows how white text looks on a background with the XYZ color 37.1486, 18.7120,

37.2511.

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

37.1486, 18.7120, 37.2511

Protanopia

22.6448, 19.4180, 79.6453

Deuteranopia

19.4998, 19.1716, 33.2446



Tritanopia

31.1370, 18.9036, 7.8020

Trichromacy



Original Color

37.1486, 18.7120, 37.2511



Protanomaly

21.5301, 14.1519, 61.2713



Deuteranomaly

22.5912, 15.5252, 34.1537



Tritanomaly

32.6038, 18.2066, 15.1604

Monochromacy



Original Color

37.1486, 18.7120, 37.2511



Achromatopsia

11.1181, 11.6971, 12.7381



Achromatomaly

16.6736, 11.2655, 19.3848

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.1486, 18.7120, 37.2511 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(222, 19, 165)` looks like.

```
.text, #text, p{  
    color:rgb(222, 19, 165)  
}
```

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(222, 19, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 19, 165) }
```

Border

The CSS property to change the border of an element to XYZ 37.1486, 18.7120, 37.2511 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(222, 19, 165) }
```


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

```
.border{ border-color:rgb(222, 19, 165) }
```

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

Here you see how a box with a 4 pixel rgb(222, 19, 165) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 19, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 19, 165);  
box-shadow:4px 4px 4px 4px rgb(222, 19,  
165) }
```

Background

The CSS property to change the background color of an element to XYZ 37.1486, 18.7120, 37.2511 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 19, 165) }
```

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

```
.background{ background-color: rgb(222, 19,  
165) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor