

Converting Colors

XYZ(37.1135, 18.6916, 21.6664)

Have a look what the booklet for
XYZ(37.1135, 18.6916, 21.6664)
contains.

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Color

**XYZ(37.1095, 18.6881,
21.7300)**

Conversions

Conversions Part 1

Format	Color
Hex	E8007F
RGB	232, 0, 127
RGB Percent	91%, 0%, 50%
CMY	0.0902, 0.9998, 0.5020
CMYK	0.00, 1.00, 0.45, 0.09
HSL	327°, 100%, 46%
HSV	327°, 100%, 91%
XYZ	37.1095, 18.6881, 21.7300
YIQ	83.8460, 97.5050, 88.6810

Conversions

Conversions Part 2

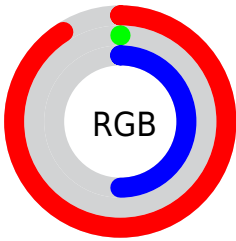
Format	Color
R_{YB}	232, 0, 127
Decimal	15204479
CIE Lab	50.32, 79.58, -2.53
CIE LCh	50, 79.619, 358.178
Yxy	18.6881, 0.4787, 0.2411
Android (android.graphics.Color)	4293394559 (0xFFE8007F)
YUV	83.8460, 21.2749, 129.9311
Hunter-Lab	43.2297, 77.5769, 0.4579

Details

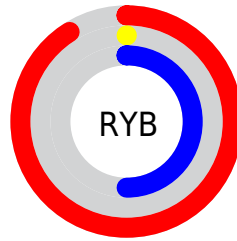
The XYZ color **37.1095, 18.6881, 21.7300** is a dark color, and the websafe version is hex **FF3399**. The color can be described as dark washed rose. A complement of this color would be **31.4096, 58.7344, 23.0595**, and the grayscale version is **8.3444, 8.7790, 9.5603**.

A 20% lighter version of the original color is **53.5704, 32.7397, 46.6759**, and **17.9527, 9.0961, 8.0172** is the 20% darker color. If you saturate the color by 10%, you get **37.1080, 18.6875, 21.7222**, and if you desaturate by 10%, it is **38.1416, 19.5992, 25.6291**.

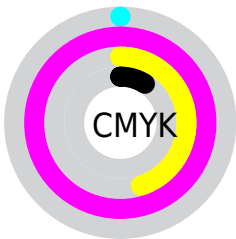
Distribution



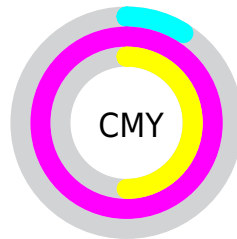
- Red (91%)
- Green (0%)
- Blue (50%)



- Red (91%)
- Yellow (0%)
- Blue (50%)



- Cyan (0%)
- Magenta (100%)
- Yellow (45%)
- Black (9%)





- Cyan (9%)
- Magenta (100%)
- Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.1095, 18.6881, 21.7300 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 37.1095, 18.6881, 21.7300 by changing the saturation by 10% instead.


 37.1095, 18.6881,
21.7300


 37.1095, 18.6881,
21.7300


325.1317,
244.7214, 274.0404


 25.4663, 11.4451,
13.4622


 70.0539, 41.2064,
47.1958

 16.5554, 6.3671,
7.6131


 92.0859, 57.2505,
65.2309


 10.0114, 3.0695,
3.7642


 118.3115, 76.9971,
87.3588

 5.4688, 1.1681,
1.4969

 149.0961,
100.8306, 113.9982

 2.5624, 0.0355,
0.2156

 184.8050,
129.1354, 145.5675

 0.9268, 0.0000,
0.0000

 225.8037,

 0.0000, 0.0000,

162.2959, 182.4852

0.0000

272.4575,
200.6964, 225.1700

■ 37.1095, 18.6881,
21.7300

■ 37.1095, 18.6881,
21.7300

■ 37.1080, 18.6875,
21.7222

■ 38.1416, 19.5992,
25.6291

■ 39.6190, 21.2834,
30.0390

■ 41.6623, 23.9786,
35.0096

■ 44.3422, 27.8232,
40.5741

■ 47.7184, 32.9337,
46.7614

■ 51.8434, 39.4120,
53.5980

■ 56.7643, 47.3498,
61.1080

■ 62.5242, 56.8306,
69.3141

■ 69.1631, 67.9317,
78.2377

Harmonies

Analogous

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



33.5932, 18.6881, 51.9968



37.1095, 18.6881, 21.7300



34.3202, 18.6881, 6.1529

Triad

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



37.1095, 18.6881, 21.7300



11.6354, 18.6881, 1.1722



11.0297, 18.6881, 82.0468

Complementary

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



37.1095, 18.6881, 21.7300



31.4096, 58.7344, 23.0595

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.



7.6288, 18.6881, 47.7425



37.1095, 18.6881, 21.7300



7.9006, 18.6881, 5.1573

Square

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



37.1095, 18.6881, 21.7300



18.2386, 18.6881, 0.5020



6.6746, 18.6881, 19.0262



17.2947, 18.6881, 99.2584

Rectangle

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



37.1095, 18.6881, 21.7300



29.6112, 18.6881, 2.2659



6.6746, 18.6881, 19.0262



9.5900, 18.6881, 71.3036

Sweetspot

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



37.1100, 18.6892, 21.7303



70.2274, 58.4871, 75.5549



20.3247, 8.7960, 76.9704



14.4535, 11.5806, 15.3068



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.



37.1100, 18.6892, 21.7303



45.9417, 23.1407, 26.6886



33.3434, 17.1826, 1.8958



14.7054, 14.4993, 16.6489



20.6653, 10.4003, 12.3985



1.5738, 0.7872, 1.1622

Inverse Universe

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



37.1100, 18.6892, 21.7303



45.9417, 23.1407, 26.6886



41.8289, 62.9021, 77.9266



14.7054, 14.4993, 16.6489



20.6653, 10.4003, 12.3985



1.5738, 0.7872, 1.1622

Previews

White Background



This preview shows how the XYZ color 37.1095, 18.6881, 21.7300 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 37.1095, 18.6881, 21.7300 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 37.1095, 18.6881, 21.7300

Background



This preview shows how black text looks on a background with the XYZ color 37.1095, 18.6881, 21.7300.



This preview shows how white text looks on a background with the XYZ color 37.1095, 18.6881,

21.7300.

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

37.1095, 18.6881, 21.7300

Protanopia

20.3996, 19.3219, 47.4541

Deuteranopia

19.5638, 19.1578, 19.4963



Tritanopia

33.7331, 19.0142, 5.0241

Trichromacy



Original Color

37.1095, 18.6881, 21.7300



Protanomaly

21.4080, 14.1091, 36.2453



Deuteranomaly

22.4775, 14.8241, 19.7658



Tritanomaly

34.2409, 18.2556, 9.1161

Monochromacy



Original Color

37.1095, 18.6881, 21.7300



Achromatopsia

8.4267, 8.8656, 9.6546



Achromatomaly

14.0546, 8.8696, 13.0278

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.1095, 18.6881, 21.7300 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(232, 0, 127)` looks like.

```
.text, #text, p{  
    color:rgb(232, 0, 127)  
}
```

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(232, 0, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 0, 127) }
```

Border

The CSS property to change the border of an element to XYZ 37.1095, 18.6881, 21.7300 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(232, 0, 127) }
```


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

```
.border{ border-color:rgb(232, 0, 127) }
```

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

Here you see how a box with a 4 pixel `rgb(232, 0, 127)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 0, 127); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 0, 127);  
box-shadow:4px 4px 4px 4px rgb(232, 0,  
127) }
```

Background

The CSS property to change the background color of an element to XYZ 37.1095, 18.6881, 21.7300 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 0, 127) }
```

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

```
.background{ background-color: rgb(232, 0,  
127) }
```

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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