

Converting Colors

XYZ(37.7764, 19.1509, 16.3880)

Have a look what the booklet for
XYZ(37.7764, 19.1509, 16.3880)
contains.

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Color

**XYZ(37.7395, 19.1303,
16.4553)**

Conversions

Conversions Part 1

Format	Color
Hex	ED006E
RGB	237, 0, 110
RGB Percent	93%, 0%, 43%
CMY	0.0706, 0.9998, 0.5686
CMYK	0.00, 1.00, 0.54, 0.07
HSL	332°, 100%, 46%
HSV	332°, 100%, 93%
XYZ	37.7395, 19.1303, 16.4553
YIQ	83.4030, 105.9420, 84.4540

Conversions

Conversions Part 2

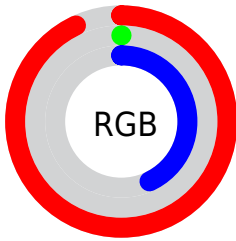
Format	Color
R_{YB}	237, 0, 110
Decimal	15532142
CIE Lab	50.84, 79.40, 8.71
CIE LCh	51, 79.875, 6.259
Yxy	19.1303, 0.5147, 0.2609
Android (android.graphics.Color)	4293722222 (0xFFED006E)
YUV	83.4030, 13.1123, 134.7046
Hunter-Lab	43.7382, 77.4769, 8.3105

Details

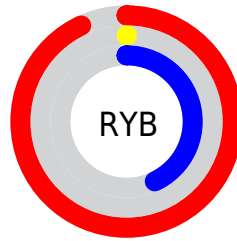
The XYZ color **37.7395, 19.1303, 16.4553** is a dark color, and the websafe version is hex **FF0066**. The color can be described as dark washed rose. A complement of this color would be **34.1191, 62.1022, 30.2863**, and the grayscale version is **8.2694, 8.7000, 9.4743**.

A 20% lighter version of the original color is **51.7652, 32.0176, 37.1699**, and **18.3528, 9.3576, 5.5415** is the 20% darker color. If you saturate the color by 10%, you get **37.7377, 19.1296, 16.4467**, and if you desaturate by 10%, it is **38.8031, 20.0703, 20.4705**.

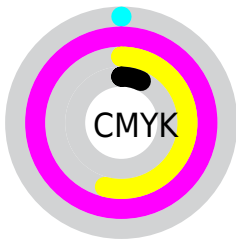
Distribution



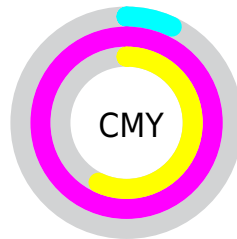
- Red (93%)
- Green (0%)
- Blue (43%)



- Red (93%)
- Yellow (0%)
- Blue (43%)



- Cyan (0%)
- Magenta (100%)
- Yellow (54%)
- Black (7%)





- Cyan (7%)
- Magenta (100%)
- Yellow (57%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 37.7395, 19.1303, 16.4553 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 37.7395, 19.1303, 16.4553 by changing the saturation by 10% instead.


 37.7395, 19.1303,
16.4553


 37.7395, 19.1303,
16.4553


327.8014,
247.1671, 243.9503


 25.9569, 11.7645,
9.6891


 71.0152, 41.9542,
38.1646

 16.9239, 6.5835,
5.0904


 93.2389, 58.1810,
53.9447


 10.2752, 3.2030,
2.2407


 119.6737, 78.1302,
73.5665

 5.6455, 1.2386,
0.6977

 150.6850,
102.1864, 97.4486

 2.6693, 0.0929,
0.0000

 186.6380,
130.7337, 126.0095

 0.9814, 0.0000,
0.0000

 227.8982,

 0.0000, 0.0000,

164.1567, 159.6677

0.0000

274.8308,
202.8397, 198.8418

■ 37.7395, 19.1303,
16.4553

■ 37.7395, 19.1303,
16.4553

■ 37.7377, 19.1296,
16.4467

■ 38.8031, 20.0703,
20.4705

■ 40.3616, 21.8349,
25.1592

■ 42.5420, 24.6724,
30.5823

■ 45.4206, 28.7295,
36.7828

■ 49.0618, 34.1298,
43.7988

■ 53.5221, 40.9812,
51.6652

■ 58.8527, 49.3807,
60.4142

■ 65.1002, 59.4170,
70.0763

■ 72.3077, 71.1717,
80.6801

Harmonies

Analogous

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



35.8367, 19.1303, 43.5854



37.7395, 19.1303, 16.4553



33.3067, 19.1303, 4.2794

Triad

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



37.7395, 19.1303, 16.4553



10.6248, 19.1303, 1.7878



12.7485, 19.1303, 90.9504

Complementary

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



37.7395, 19.1303, 16.4553



34.1191, 62.1022, 30.2863

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.



8.5112, 19.1303, 58.3820



37.7395, 19.1303, 16.4553



7.5553, 19.1303, 7.8056

Square

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



37.7395, 19.1303, 16.4553



16.5833, 19.1303, 0.5772



6.9121, 19.1303, 25.9177



19.8820, 19.1303, 100.3590

Rectangle

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



37.7395, 19.1303, 16.4553



27.9427, 19.1303, 1.5836



6.9121, 19.1303, 25.9177



11.0099, 19.1303, 81.5929

Sweetspot

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



37.7400, 19.1315, 16.4556



69.3973, 58.1550, 71.1836



23.9537, 10.5837, 80.9007



14.2573, 11.5022, 14.2739



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.



37.7400, 19.1315, 16.4556



44.5292, 22.5757, 19.2508



35.0115, 18.1772, 1.6649



15.3563, 15.1704, 17.1614



20.6684, 10.4700, 9.3209



1.6711, 0.8414, 0.9854

Inverse Universe

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



37.7400, 19.1315, 16.4556



44.5292, 22.5757, 19.2508



43.3341, 62.2095, 89.8441



15.3563, 15.1704, 17.1614



20.6684, 10.4700, 9.3209



1.6711, 0.8414, 0.9854

Previews

White Background



This preview shows how the XYZ color 37.7395, 19.1303, 16.4553 looks on a white background.

Color Contrast Check

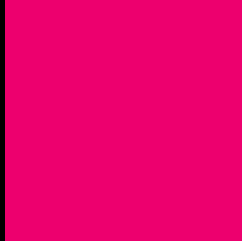
Large Text (above 18pt) WCAG AA ✓ Pass

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 37.7395, 19.1303, 16.4553 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

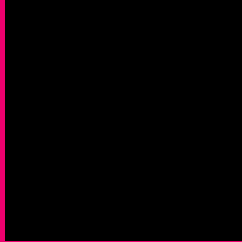
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 37.7395, 19.1303, 16.4553

Background



This preview shows how black text looks on a background with the XYZ color 37.7395, 19.1303, 16.4553.



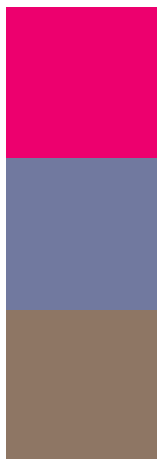
This preview shows how white text looks on a background with the XYZ color 37.7395, 19.1303,

16.4553.

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

37.7395, 19.1303, 16.4553

Protanopia

19.9054, 19.6887, 35.5520

Deuteranopia

19.9340, 19.6277, 14.7945



Tritanopia

35.2684, 19.4682, 4.1844

Trichromacy



Original Color

37.7395, 19.1303, 16.4553



Protanomaly

21.5621, 14.4999, 26.8616



Deuteranomaly

23.1462, 15.3787, 14.8452



Tritanomaly

35.6893, 18.8979, 7.0768

Monochromacy



Original Color

37.7395, 19.1303, 16.4553



Achromatopsia

8.2219, 8.6500, 9.4199



Achromatomaly

13.8963, 8.8255, 11.3270

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.7395, 19.1303, 16.4553 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(237, 0, 110)` looks like.

```
.text, #text, p{  
    color:rgb(237, 0, 110)  
}
```

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(237, 0, 110) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 0, 110) }
```

Border

The CSS property to change the border of an element to XYZ 37.7395, 19.1303, 16.4553 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(237, 0, 110) }
```


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

```
.border{ border-color:rgb(237, 0, 110) }
```

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

Here you see how a box with a 4 pixel rgb(237, 0, 110) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 0, 110); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 0, 110);  
box-shadow:4px 4px 4px 4px rgb(237, 0,  
110) }
```

Background

The CSS property to change the background color of an element to XYZ 37.7395, 19.1303, 16.4553 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 0, 110) }
```

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

```
.background{ background-color: rgb(237, 0,  
110) }
```

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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