

Converting Colors

XYZ(37.7028, 19.9128, 15.4228)

Have a look what the booklet for
XYZ(37.7028, 19.9128, 15.4228)
contains.

XYZ(37.7101, 19.9065, 15.4905)	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(37.7101, 19.9065,
15.4905)**

Conversions

Conversions Part 1

Format	Color
Hex	EC206A
RGB	236, 32, 106
RGB Percent	93%, 13%, 42%
CMY	0.0745, 0.8744, 0.5843
CMYK	0.00, 0.86, 0.55, 0.07
HSL	338°, 84%, 53%
HSV	338°, 86%, 93%
XYZ	37.7101, 19.9065, 15.4905
YIQ	101.4320, 97.8300, 66.2620

Conversions

Conversions Part 2

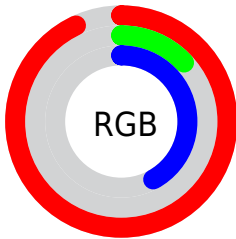
Format	Color
R_{YB}	236, 32, 106
Decimal	15474794
CIE _{Lab}	51.73, 75.46, 12.37
CIE _{LCh}	52, 76.465, 9.310
Yxy	19.9065, 0.5158, 0.2723
Android (android.graphics.Color)	4293664874 (0xFFEC206A)
YUV	101.4320, 2.2520, 118.0161
Hunter-Lab	44.6167, 72.7892, 10.6468

Details

The XYZ color **37.7101, 19.9065, 15.4905** 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 **37.1153, 62.9075, 44.3791**, and the grayscale version is **12.4610, 13.1099, 14.2767**.

A 20% lighter version of the original color is **52.2761, 33.5950, 35.6275**, and **18.0230, 9.2000, 4.9635** is the 20% darker color. If you saturate the color by 10%, you get **36.5699, 18.7703, 11.5840**, and if you desaturate by 10%, it is **39.4416, 22.0063, 20.2713**.

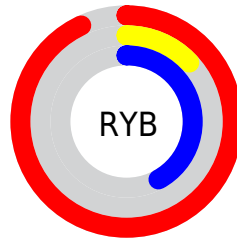
Distribution



Red (93%)

Green (13%)

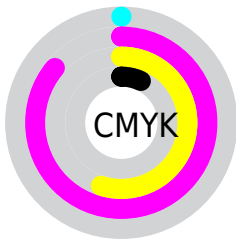
Blue (42%)



Red (93%)

Yellow (13%)

Blue (42%)

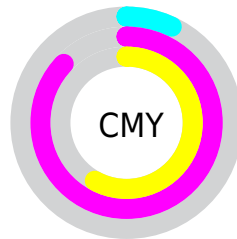


Cyan (0%)

Magenta (86%)

Yellow (55%)

Black (7%)



Cyan (7%)


Magenta (87%)


Yellow (58%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 37.7101, 19.9065, 15.4905 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 37.7101, 19.9065, 15.4905 by changing the saturation by 10% instead.

 37.7101, 19.9065,
15.4905


 37.7101, 19.9065,
15.4905


327.6771,
251.4085, 238.0584


 25.9340, 12.3271,
9.0139


 70.9703, 43.2604,
36.4658

 16.9067, 6.9669,
4.6533


 93.1852, 59.8036,
51.8016


 10.2629, 3.4414,
1.9902


 119.6102, 80.1036,
70.9275

 5.6372, 1.3663,
0.5492

 150.6110,
104.5447, 94.2621

 2.6643, 0.1917,
0.0000

 186.5526,
133.5114, 122.2240

 0.9788, 0.0000,
0.0000

227.8007,

 0.0000, 0.0000,

167.3880, 155.2316

0.0000

274.7204,
206.5589, 193.7036

■ 37.7101, 19.9065,
15.4905

■ 37.7101, 19.9065,
15.4905

■ 36.5699, 18.7703,
11.5840

■ 39.4416, 22.0063,
20.2713


■ 36.2552, 18.4981,
10.3776


■ 41.8538, 25.2369,
25.9885


■ 45.0205, 29.7365,
32.6974


■ 49.0050, 35.6222,
40.4482

■ 53.8635, 42.9975,
49.2867

 59.6470, 51.9562,
59.2560

 66.4027, 62.5842,
70.3966

 74.1741, 74.9613,
82.7467

 83.0023, 89.1619,
96.3429

Harmonies

Analogous

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



36.5146, 19.9065, 40.4661



37.7101, 19.9065, 15.4905



32.9119, 19.9065, 4.3433

Triad

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



37.7101, 19.9065, 15.4905



10.9785, 19.9065, 2.6030



14.1391, 19.9065, 90.8874

Complementary

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



37.7101, 19.9065, 15.4905



37.1153, 62.9075, 44.3791

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.



9.5913, 19.9065, 61.3849



37.7101, 19.9065, 15.4905



8.1420, 19.9065, 9.8436

Square

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



37.7101, 19.9065, 15.4905



16.6158, 19.9065, 0.9602



7.7148, 19.9065, 29.3185



21.4291, 19.9065, 96.6885

Rectangle

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



37.7101, 19.9065, 15.4905



27.5679, 19.9065, 1.8078



7.7148, 19.9065, 29.3185



12.3018, 19.9065, 82.7754

Sweetspot

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



37.7106, 19.9077, 15.4908



71.3511, 62.3174, 71.0493



30.3974, 14.6891, 80.5897



14.7284, 12.4913, 14.2859



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.



37.7106, 19.9077, 15.4908



43.1929, 22.0412, 12.2139



36.4283, 21.0878, 3.5185



15.2912, 15.1443, 16.8189



20.0412, 10.2192, 6.0184



1.6185, 0.8203, 0.7082

Inverse Universe

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



37.7106, 19.9077, 15.4908



43.1929, 22.0412, 12.2139



38.4887, 51.8677, 87.3394



15.2912, 15.1443, 16.8189



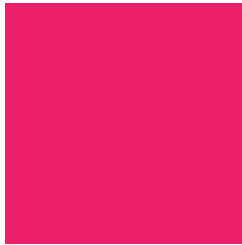
20.0412, 10.2192, 6.0184



1.6185, 0.8203, 0.7082

Previews

White Background



This preview shows how the XYZ color 37.7101, 19.9065, 15.4905 looks on a white background.

Color Contrast Check

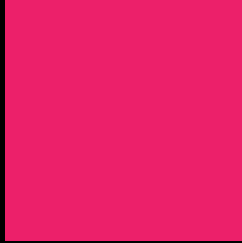
Large Text (above 18pt) WCAG AA ✓ Pass

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 37.7101, 19.9065, 15.4905 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 37.7101, 19.9065, 15.4905

Background



This preview shows how black text looks on a background with the XYZ color 37.7101, 19.9065, 15.4905.

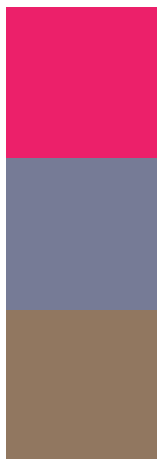


This preview shows how white text looks on a background with the XYZ color 37.7101, 19.9065,

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

37.7101, 19.9065, 15.4905

Protanopia

20.0592, 20.2195, 31.6997

Deuteranopia

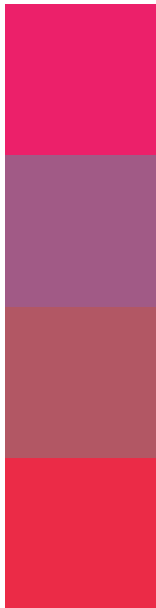
20.3852, 20.0579, 13.8635



Tritanopia

35.6698, 20.0126, 5.1148

Trichromacy



Original Color

37.7101, 19.9065, 15.4905

Protanomaly

22.6572, 16.6106, 24.5663

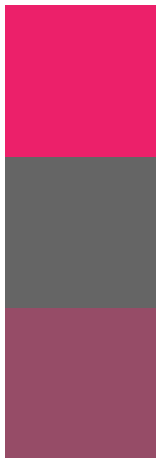
Deuteranomaly

24.0685, 17.2015, 14.1083

Tritanomaly

36.2622, 19.8449, 7.8804

Monochromacy



Original Color

37.7101, 19.9065, 15.4905

Achromatopsia

12.3695, 13.0136, 14.1719

Achromatomaly

17.6103, 12.6322, 14.3421

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.7101, 19.9065, 15.4905 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(236, 32, 106)` looks like.

```
.text, #text, p{  
    color:rgb(236, 32, 106)  
}
```

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(236, 32, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 32, 106) }
```

Border

The CSS property to change the border of an element to XYZ 37.7101, 19.9065, 15.4905 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(236, 32, 106) }
```


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

```
.border{ border-color:rgb(236, 32, 106) }
```

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

Here you see how a box with a 4 pixel `rgb(236, 32, 106)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 32, 106); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 32, 106);  
box-shadow:4px 4px 4px 4px rgb(236, 32,  
106) }
```

Background

The CSS property to change the background color of an element to XYZ 37.7101, 19.9065, 15.4905 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 32, 106) }
```

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

```
.background{ background-color: rgb(236, 32,  
106) }
```

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