

Converting Colors

XYZ(33.7675, 10.6831, 16.1437)

Have a look what the booklet for
XYZ(33.7675, 10.6831, 16.1437)
contains.

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Color

**XYZ(37.9623, 19.2194,
17.6285)**

Conversions

Conversions Part 1

Format	Color
Hex	ED0072
RGB	237, 0, 114
RGB Percent	93%, 0%, 45%
CMY	0.0706, 0.9998, 0.5529
CMYK	0.00, 1.00, 0.52, 0.07
HSL	331°, 100%, 46%
HSV	331°, 100%, 93%
XYZ	37.9623, 19.2194, 17.6285
YIQ	83.8590, 104.6580, 85.6980

Conversions

Conversions Part 2

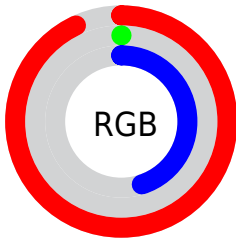
Format	Color
R_{YB}	237, 0, 114
Decimal	15532146
CIE _{Lab}	50.94, 79.67, 6.41
CIE _{LCh}	51, 79.931, 4.602
Yxy	19.2194, 0.5074, 0.2569
Android (android.graphics.Color)	4293722226 (0xFFED0072)
YUV	83.8590, 14.8595, 134.3047
Hunter-Lab	43.8399, 77.8486, 6.8468

Details

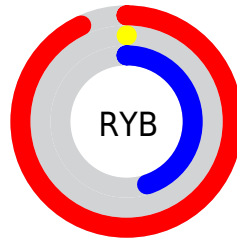
The XYZ color **37.9623, 19.2194, 17.6285** is a dark color, and the websafe version is hex **CC0066**. The color can be described as dark washed rose. A complement of this color would be **33.8633, 61.9999, 28.9390**, and the grayscale version is **8.3592, 8.7946, 9.5773**.

A 20% lighter version of the original color is **52.2151, 32.1976, 39.5391**, and **18.4687, 9.4039, 6.1519** is the 20% darker color. If you saturate the color by 10%, you get **37.9606, 19.2187, 17.6201**, and if you desaturate by 10%, it is **39.0320, 20.1619, 21.6758**.

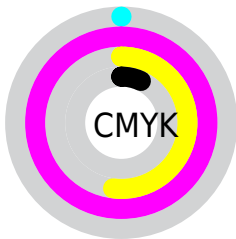
Distribution



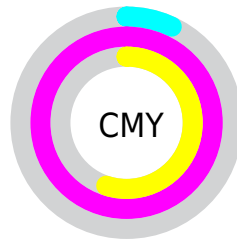
- Red (93%)
- Green (0%)
- Blue (45%)



- Red (93%)
- Yellow (0%)
- Blue (45%)



- Cyan (0%)
- Magenta (100%)
- Yellow (52%)
- Black (7%)





- Cyan (7%)
- Magenta (100%)
- Yellow (55%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 37.9623, 19.2194, 17.6285 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 37.9623, 19.2194, 17.6285 by changing the saturation by 10% instead.


 37.9623, 19.2194,
17.6285


 37.9623, 19.2194,
17.6285


328.7419,
247.6573, 250.9341


 26.1305, 11.8289,
10.5169


 71.3546, 42.1045,
40.2086


 17.0545, 6.6273,
5.6330


 93.6459, 58.3679,
56.5143


 10.3689, 3.2301,
2.5581


 120.1543, 78.3578,
76.7217

 5.7084, 1.2530,
0.8707

 151.2453,
102.4584, 101.2494

 2.7075, 0.1044,
0.0000

 187.2842,
131.0543, 130.5159

 1.0011, 0.0000,
0.0000

 228.6363,

 0.0000, 0.0000,

164.5299, 164.9399

0.0000

275.6671,
203.2694, 204.9397

■ 37.9623, 19.2194,
17.6285

■ 37.9623, 19.2194,
17.6285

■ 37.9606, 19.2187,
17.6201

■ 39.0320, 20.1619,
21.6758

■ 40.5912, 21.9266,
26.3683

■ 42.7665, 24.7620,
31.7648

■ 45.6339, 28.8146,
37.9064

■ 49.2573, 34.2077,
44.8293

■ 53.6932, 41.0492,
52.5669

■ 58.9922, 49.4361,
61.1499

■ 65.2006, 59.4566,
70.6070

■ 72.3615, 71.1927,
80.9655

Harmonies

Analogous

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



35.6992, 19.2194, 45.6613



37.9623, 19.2194, 17.6285



33.8289, 19.2194, 4.6740

Triad

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



37.9623, 19.2194, 17.6285



10.9316, 19.2194, 1.6634



12.4993, 19.2194, 89.8961

Complementary

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



37.9623, 19.2194, 17.6285



33.8633, 61.9999, 28.9390

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.



8.4044, 19.2194, 56.5987



37.9623, 19.2194, 17.6285



7.6992, 19.2194, 7.2696

Square

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



37.9623, 19.2194, 17.6285



17.0763, 19.2194, 0.5704



6.9291, 19.2194, 24.6125



19.5128, 19.2194, 101.0627

Rectangle

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



37.9623, 19.2194, 17.6285



28.5476, 19.2194, 1.7283



6.9291, 19.2194, 24.6125



10.8094, 19.2194, 80.1384

Sweetspot

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



37.9628, 19.2206, 17.6288



69.5629, 58.2213, 72.0560



23.3802, 10.2880, 80.8740



14.2964, 11.5178, 14.4795



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.



37.9628, 19.2206, 17.6288



44.7919, 22.6808, 20.6342



34.9687, 18.0915, 1.6505



15.3672, 15.1747, 17.2190



20.7908, 10.5190, 9.9656



1.6810, 0.8454, 1.0374

Inverse Universe

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



37.9628, 19.2206, 17.6288



44.7919, 22.6808, 20.6342



44.4399, 64.4212, 90.2128



15.3672, 15.1747, 17.2190



20.7908, 10.5190, 9.9656



1.6810, 0.8454, 1.0374

Previews

White Background



This preview shows how the XYZ color 37.9623, 19.2194, 17.6285 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 37.9623, 19.2194, 17.6285 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 37.9623, 19.2194, 17.6285

Background



This preview shows how black text looks on a background with the XYZ color 37.9623, 19.2194, 17.6285.



This preview shows how white text looks on a background with the XYZ color 37.9623, 19.2194,

17.6285.

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

37.9623, 19.2194, 17.6285

Protanopia

20.1844, 19.7709, 38.3496

Deuteranopia

19.9616, 19.6191, 15.8315



Tritanopia

35.3437, 19.5587, 4.3950

Trichromacy



Original Color

37.9623, 19.2194, 17.6285



Protanomaly

21.7468, 14.5512, 28.8566



Deuteranomaly

23.1273, 15.3450, 15.9303



Tritanomaly

35.8058, 18.9831, 7.5713

Monochromacy



Original Color

37.9623, 19.2194, 17.6285



Achromatopsia

8.4267, 8.8656, 9.6546



Achromatomaly

14.1539, 8.9479, 11.8076

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.9623, 19.2194, 17.6285 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, 114)` looks like.

```
.text, #text, p{  
    color:rgb(237, 0, 114)  
}
```

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, 114) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 0, 114) }
```

Border

The CSS property to change the border of an element to XYZ 37.9623, 19.2194, 17.6285 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, 114) }
```


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

```
.border{ border-color:rgb(237, 0, 114) }
```

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, 114) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 0, 114); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 0, 114);  
box-shadow:4px 4px 4px 4px rgb(237, 0,  
114) }
```

Background

The CSS property to change the background color of an element to XYZ 37.9623, 19.2194, 17.6285 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, 114) }
```

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

```
.background{ background-color: rgb(237, 0,  
114) }
```

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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