

Converting Colors

XYZ(37.2786, 19.0509, 9.2870)

Have a look what the booklet for
XYZ(37.2786, 19.0509, 9.2870)
contains.

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Color

**XYZ(37.3831, 19.1045,
9.3066)**

Conversions

Conversions Part 1

Format	Color
Hex	F00050
RGB	240, 0, 80
RGB Percent	94%, 0%, 31%
CMY	0.0588, 0.9997, 0.6863
CMYK	0.00, 1.00, 0.67, 0.06
HSL	340°, 100%, 47%
HSV	340°, 100%, 94%
XYZ	37.3831, 19.1045, 9.3066
YIQ	80.8800, 117.3600, 75.7600

Conversions

Conversions Part 2

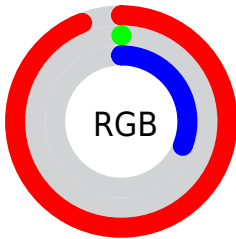
Format	Color
R_YB	240, 0, 80
Decimal	15728720
CIE _{Lab}	50.81, 78.37, 27.09
CIE _{LCh}	51, 82.917, 19.068
Yxy	19.1045, 0.5682, 0.2904
Android (android.graphics.Color)	4293918800 (0xFFFF0050)
YUV	80.8800, -0.4338, 139.5482
Hunter-Lab	43.7087, 76.1770, 17.9719

Details

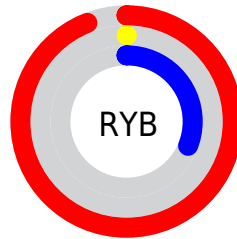
The XYZ color **37.3831, 19.1045, 9.3066** is a dark color, and the websafe version is hex **FF3366**. The color can be described as dark saturated red. A complement of this color would be **37.5114, 64.8604, 43.8291**, and the grayscale version is **7.7890, 8.1946, 8.9239**.

A 20% lighter version of the original color is **49.2947, 31.0294, 24.1600**, and **18.0131, 9.2475, 2.5858** is the 20% darker color. If you saturate the color by 10%, you get **37.3813, 19.1037, 9.2983**, and if you desaturate by 10%, it is **38.3744, 20.0256, 12.9101**.

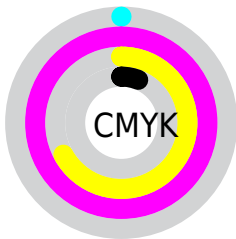
Distribution



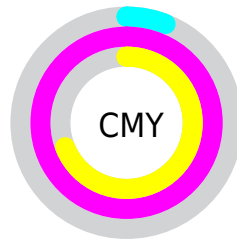
- Red (94%)
- Green (0%)
- Blue (31%)



- Red (94%)
- Yellow (0%)
- Blue (31%)



- Cyan (0%)
- Magenta (100%)
- Yellow (67%)
- Black (6%)





- Cyan (6%)
- Magenta (100%)
- Yellow (69%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 37.3831, 19.1045, 9.3066 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 37.3831, 19.1045, 9.3066 by changing the saturation by 10% instead.


 37.3831, 19.1045,
9.3066


 37.3831, 19.1045,
9.3066


326.2930,
247.0251, 195.9504


 25.6793, 11.7458,
4.8422

 70.4716, 41.9106,
25.0699

 16.7153, 6.5708,
2.0978


 92.5870, 58.1268,
37.2059

 10.1257, 3.1952,
0.6145


 118.9037, 78.0643,
52.7362

 5.5453, 1.2345,
0.0000

 149.7869,
102.1075, 72.0793

 2.6086, 0.0896,
0.0000

 185.6021,
130.6408, 95.6537

 0.9504, 0.0000,
0.0000

 226.7146,

 0.0000, 0.0000,

164.0485, 123.8780

0.0000

273.4898,
202.7152, 157.1707

■ 37.3831, 19.1045,
9.3066

■ 37.3831, 19.1045,
9.3066

■ 37.3813, 19.1037,
9.2983

■ 38.3744, 20.0256,
12.9101

■ 39.9196, 21.8143,
17.4383

■ 42.1535, 24.7270,
22.9775

■ 45.1589, 28.9167,
29.5937

■ 49.0061, 34.5123,
37.3460

■ 53.7568, 41.6266,
46.2889

■ 59.4670, 50.3611,
56.4727

■ 66.1878, 60.8081,
67.9449

■ 73.9668, 73.0534,
80.7502

Harmonies

Analogous

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



38.3231, 19.1045, 30.5361



37.3831, 19.1045, 9.3066



30.4950, 19.1045, 1.9745

Triad

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



37.3831, 19.1045, 9.3066



8.6990, 19.1045, 3.0688



15.3432, 19.1045, 103.4253

Complementary

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



37.3831, 19.1045, 9.3066



37.5114, 64.8604, 43.8291

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.



9.6986, 19.1045, 76.5416



37.3831, 19.1045, 9.3066



6.7013, 19.1045, 13.3928

Square

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



37.3831, 19.1045, 9.3066



13.5008, 19.1045, 0.6456



7.0020, 19.1045, 39.1991



23.7797, 19.1045, 98.6935

Rectangle

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



37.3831, 19.1045, 9.3066



24.3580, 19.1045, 0.7101



7.0020, 19.1045, 39.1991



13.1113, 19.1045, 97.2896

Sweetspot

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



37.3835, 19.1057, 9.3069



68.1575, 57.6591, 64.6552



30.2301, 13.7684, 83.5016



13.9669, 11.3860, 12.7444



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.



37.3835, 19.1057, 9.3069



42.8779, 21.9152, 10.5550



36.6958, 20.0465, 1.9371



15.9900, 15.8457, 17.5035



20.5183, 10.4797, 5.3799



1.7514, 0.8896, 0.6817

Inverse Universe

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



37.3835, 19.1057, 9.3069



42.8779, 21.9152, 10.5550



36.3854, 47.6048, 89.7083



15.9900, 15.8457, 17.5035



20.5183, 10.4797, 5.3799



1.7514, 0.8896, 0.6817

Previews

White Background



This preview shows how the XYZ color 37.3831, 19.1045, 9.3066 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 37.3831, 19.1045, 9.3066 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 37.3831, 19.1045, 9.3066

Background



This preview shows how black text looks on a background with the XYZ color 37.3831, 19.1045, 9.3066.

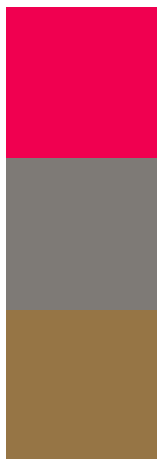


This preview shows how white text looks on a background with the XYZ color 37.3831, 19.1045,

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

37.3831, 19.1045, 9.3066

Protanopia

18.8337, 19.6627, 19.9422

Deuteranopia

20.0131, 19.6363, 8.3656



Tritanopia

36.3227, 19.4676, 2.9418

Trichromacy



Original Color

37.3831, 19.1045, 9.3066



Protanomaly

21.1594, 14.6637, 14.8119



Deuteranomaly

23.1798, 15.4459, 8.0630



Tritanomaly

36.3598, 19.0563, 4.4512

Monochromacy



Original Color

37.3831, 19.1045, 9.3066



Achromatopsia

7.8210, 8.2283, 8.9606



Achromatomaly

13.3607, 8.5390, 8.7286

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.3831, 19.1045, 9.3066 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(240, 0, 80)` looks like.

```
.text, #text, p{  
    color:rgb(240, 0, 80)  
}
```

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(240, 0, 80) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 0, 80) }
```

Border

The CSS property to change the border of an element to XYZ 37.3831, 19.1045, 9.3066 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(240, 0, 80) }
```


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

```
.border{ border-color:rgb(240, 0, 80) }
```

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

Here you see how a box with a 4 pixel `rgb(240, 0, 80)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 0, 80); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 0, 80);  
box-shadow:4px 4px 4px 4px rgb(240, 0, 80)  
}
```

Background

The CSS property to change the background color of an element to XYZ 37.3831, 19.1045, 9.3066 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 0, 80) }
```

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

```
.background{ background-color: rgb(240, 0,  
80) }
```

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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