

Converting Colors

XYZ(37.5749, 19.1811, 10.3162)

Have a look what the booklet for
XYZ(37.5749, 19.1811, 10.3162)
contains.

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Color

**XYZ(37.5749, 19.1811,
10.3162)**

Conversions

Conversions Part 1

Format	Color
Hex	F00055
RGB	240, 0, 85
RGB Percent	94%, 0%, 33%
CMY	0.0588, 0.9998, 0.6667
CMYK	0.00, 1.00, 0.65, 0.06
HSL	339°, 100%, 47%
HSV	339°, 100%, 94%
XYZ	37.5749, 19.1811, 10.3162
YIQ	81.4500, 115.7550, 77.3150

Conversions

Conversions Part 2

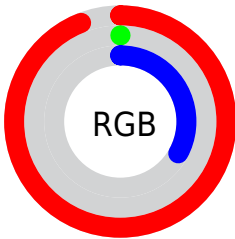
Format	Color
R_YB	240, 0, 85
Decimal	15728725
CIE Lab	50.90, 78.61, 24.17
CIE LCh	51, 82.239, 17.088
Yxy	19.1811, 0.5602, 0.2860
Android (android.graphics.Color)	4293918805 (0xFFFF0055)
YUV	81.4500, 1.7502, 139.0483
Hunter-Lab	43.7962, 76.5004, 16.6916

Details

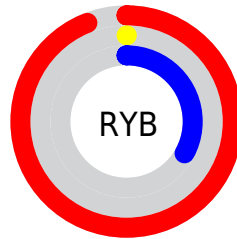
The XYZ color **37.5749, 19.1811, 10.3162** is a dark color, and the websafe version is hex **FF3366**. The color can be described as dark saturated red. A complement of this color would be **37.0818, 64.6887, 41.5667**, and the grayscale version is **7.8969, 8.3081, 9.0475**.

A 20% lighter version of the original color is **49.6353, 31.1656, 25.9538**, and **18.0794, 9.2741, 2.9350** is the 20% darker color. If you saturate the color by 10%, you get **37.5733, 19.1805, 10.3087**, and if you desaturate by 10%, it is **38.5876, 20.1107, 14.0328**.

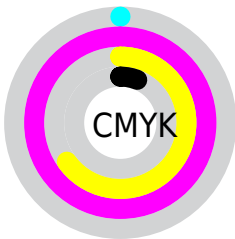
Distribution



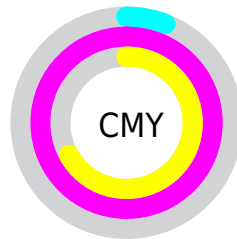
- Red (94%)
- Green (0%)
- Blue (33%)



- Red (94%)
- Yellow (0%)
- Blue (33%)



- Cyan (0%)
- Magenta (100%)
- Yellow (65%)
- Black (6%)





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

Brightness & Saturation Gradients


These gradients show how the XYZ color 37.5749, 19.1811, 10.3162 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 37.5749, 19.1811, 10.3162 by changing the saturation by 10% instead.


 37.5749, 19.1811,
10.3162


 37.5749, 19.1811,
10.3162


327.1053,
247.4467, 203.4803


 25.8286, 11.8012,
5.5008


 70.7642, 42.0399,
27.0056


 16.8275, 6.6085,
2.4801


 92.9380, 58.2876,
39.7167


 10.2061, 3.2185,
0.8296


 119.3183, 78.2600,
55.8967

 5.5991, 1.2468,
0.0000

 150.2705,
102.3415, 75.9643

 2.6412, 0.0995,
0.0000

 186.1599,
130.9166, 100.3379

 0.9670, 0.0000,
0.0000

 227.3520,

 0.0000, 0.0000,

164.3695, 129.4360

0.0000

274.2120,
203.0848, 163.6773

■ 37.5749, 19.1811,
10.3162

■ 37.5749, 19.1811,
10.3162

■ 37.5733, 19.1805,
10.3087

■ 38.5876, 20.1107,
14.0328

■ 40.1471, 21.9048,
18.6373

■ 42.3875, 24.8198,
24.2113

■ 45.3906, 29.0082,
30.8165

■ 49.2260, 34.5987,
38.5081

■ 53.9548, 41.7039,
47.3368

■ 59.6324, 50.4249,
57.3498

■ 66.3092, 60.8539,
68.5914

■ 74.0321, 73.0764,
81.1034

Harmonies

Analogous

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



38.0534, 19.1811, 32.5419



37.5749, 19.1811, 10.3162



31.0475, 19.1811, 2.2780

Triad

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



37.5749, 19.1811, 10.3162



9.0268, 19.1811, 2.8450



14.9630, 19.1811, 101.7004

Complementary

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



37.5749, 19.1811, 10.3162



37.0818, 64.6887, 41.5667

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.



9.5393, 19.1811, 73.6636



37.5749, 19.1811, 10.3162



6.8619, 19.1811, 12.4087

Square

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



37.5749, 19.1811, 10.3162



14.0209, 19.1811, 0.6395



7.0164, 19.1811, 36.9542



23.2095, 19.1811, 99.2987

Rectangle

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



37.5749, 19.1811, 10.3162



25.0030, 19.1811, 0.8393



7.0164, 19.1811, 36.9542



12.8077, 19.1811, 94.9739

Sweetspot

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



37.5754, 19.1823, 10.3165



68.3499, 57.7361, 65.6685



28.6814, 12.9698, 83.4295



14.0118, 11.4039, 12.9807



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.



37.5754, 19.1823, 10.3165



43.0972, 22.0029, 11.7097



36.4532, 19.5610, 1.8560



16.0039, 15.8513, 17.5769



20.6255, 10.5226, 5.9446



1.7615, 0.8936, 0.7350

Inverse Universe

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



37.5754, 19.1823, 10.3165



43.0972, 22.0029, 11.7097



38.2864, 51.4068, 90.3424



16.0039, 15.8513, 17.5769



20.6255, 10.5226, 5.9446



1.7615, 0.8936, 0.7350

Previews

White Background



This preview shows how the XYZ color 37.5749, 19.1811, 10.3162 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 37.5749, 19.1811, 10.3162 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 37.5749, 19.1811, 10.3162

Background



This preview shows how black text looks on a background with the XYZ color 37.5749, 19.1811, 10.3162.



This preview shows how white text looks on a background with the XYZ color 37.5749, 19.1811,

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

37.5749, 19.1811, 10.3162

Protanopia

18.9734, 19.6848, 22.2016

Deuteranopia

19.9917, 19.6066, 9.2093



Tritanopia

36.0792, 19.4201, 3.1432

Trichromacy



Original Color

37.5749, 19.1811, 10.3162



Protanomaly

21.2647, 14.6816, 16.4649



Deuteranomaly

23.1153, 15.3927, 8.9605



Tritanomaly

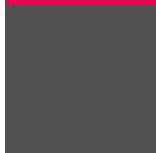
36.4811, 19.1636, 4.9081

Monochromacy



Original Color

37.5749, 19.1811, 10.3162



Achromatopsia

7.8210, 8.2283, 8.9606



Achromatomaly

13.3984, 8.5541, 8.9276

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.5749, 19.1811, 10.3162 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, 85)` looks like.

```
.text, #text, p{  
    color:rgb(240, 0, 85)  
}
```

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, 85) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 0, 85) }
```

Border

The CSS property to change the border of an element to XYZ 37.5749, 19.1811, 10.3162 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, 85) }
```


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

```
.border{ border-color:rgb(240, 0, 85) }
```

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, 85)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 0, 85); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 0, 85);  
box-shadow:4px 4px 4px 4px rgb(240, 0, 85)  
}
```

Background

The CSS property to change the background color of an element to XYZ 37.5749, 19.1811, 10.3162 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, 85) }
```

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

```
.background{ background-color: rgb(240, 0,  
85) }
```

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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