

Converting Colors

XYZ(37.4260, 19.1098, 10.0633)

Have a look what the booklet for
XYZ(37.4260, 19.1098, 10.0633)
contains.

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Color

**XYZ(37.5354, 19.1654,
10.1085)**

Conversions

Conversions Part 1

Format	Color
Hex	F00054
RGB	240, 0, 84
RGB Percent	94%, 0%, 33%
CMY	0.0588, 0.9998, 0.6706
CMYK	0.00, 1.00, 0.65, 0.06
HSL	339°, 100%, 47%
HSV	339°, 100%, 94%
XYZ	37.5354, 19.1654, 10.1085
YIQ	81.3360, 116.0760, 77.0040

Conversions

Conversions Part 2

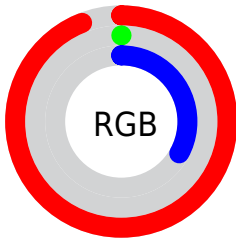
Format	Color
RYB	240, 0, 84
Decimal	15728724
CIELab	50.88, 78.56, 24.75
CIELCh	51, 82.365, 17.487
Yxy	19.1654, 0.5618, 0.2869
Android (android.graphics.Color)	4293918804 (0xFFFF0054)
YUV	81.3360, 1.3134, 139.1483
Hunter-Lab	43.7783, 76.4334, 16.9546

Details

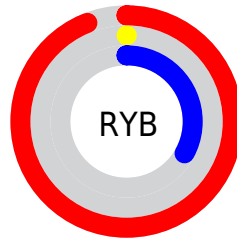
The XYZ color **37.5354, 19.1654, 10.1085** is a dark color, and the websafe version is hex **FF3366**. The color can be described as dark saturated red. A complement of this color would be **37.1666, 64.7225, 42.0137**, and the grayscale version is **7.8758, 8.2859, 9.0234**.

A 20% lighter version of the original color is **49.5658, 31.1379, 25.5881**, and **18.0622, 9.2672, 2.8442** is the 20% darker color. If you saturate the color by 10%, you get **37.5336, 19.1646, 10.1001**, and if you desaturate by 10%, it is **38.5440, 20.0934, 13.8034**.

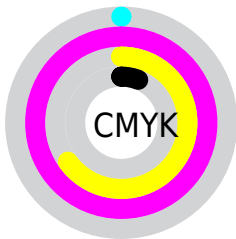
Distribution



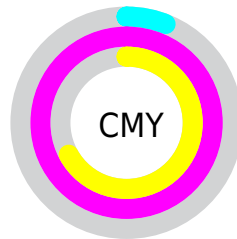
- Red (94%)
- Green (0%)
- Blue (33%)



- 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 37.5354, 19.1654, 10.1085 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 37.5354, 19.1654, 10.1085 by changing the saturation by 10% instead.


 37.5354, 19.1654,
10.1085


 37.5354, 19.1654,
10.1085


326.9382,
247.3603, 201.9576


 25.7979, 11.7899,
5.3644


 70.7040, 42.0134,
26.6104


 16.8044, 6.6007,
2.4002


 92.8657, 58.2546,
39.2053

 10.1896, 3.2137,
0.7865


 119.2329, 78.2199,
55.2541

 5.5880, 1.2443,
0.0000

 150.1709,
102.2936, 75.1756

 2.6345, 0.0974,
0.0000

 186.0451,
130.8601, 99.3881

 0.9636, 0.0000,
0.0000

 227.2208,

 0.0000, 0.0000,

164.3038, 128.3102

0.0000

274.0634,
203.0091, 162.3605

■ 37.5354, 19.1654,
10.1085

■ 37.5354, 19.1654,
10.1085

■ 37.5336, 19.1646,
10.1001

■ 38.5440, 20.0934,
13.8034

■ 40.1010, 21.8868,
18.3936

■ 42.3404, 24.8016,
23.9617

■ 45.3443, 28.9906,
30.5701

■ 49.1823, 34.5825,
38.2748

■ 53.9158, 41.6899,
47.1272

■ 59.6002, 50.4139,
57.1753

■ 66.2861, 60.8469,
68.4637

■ 74.0205, 73.0743,
81.0350

Harmonies

Analogous

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



38.1062, 19.1654, 32.1328



37.5354, 19.1654, 10.1085



30.9356, 19.1654, 2.2150

Triad

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



37.5354, 19.1654, 10.1085



8.9605, 19.1654, 2.8890



15.0383, 19.1654, 102.0403

Complementary

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



37.5354, 19.1654, 10.1085



37.1666, 64.7225, 42.0137

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.



9.5710, 19.1654, 74.2312



37.5354, 19.1654, 10.1085



6.8295, 19.1654, 12.6015

Square

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



37.5354, 19.1654, 10.1085



13.9156, 19.1654, 0.6408



7.0135, 19.1654, 37.3955



23.3224, 19.1654, 99.1737

Rectangle

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



37.5354, 19.1654, 10.1085



24.8724, 19.1654, 0.8135



7.0135, 19.1654, 37.3955



12.8679, 19.1654, 95.4309

Sweetspot

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



37.5358, 19.1666, 10.1088



68.3112, 57.7206, 65.4645



29.4432, 13.3627, 83.4649



14.0027, 11.4003, 12.9331



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.



37.5358, 19.1666, 10.1088



43.0519, 21.9848, 11.4713



36.5678, 19.7903, 1.8944



16.0011, 15.8502, 17.5621



20.6034, 10.5138, 5.8282



1.7594, 0.8928, 0.7241

Inverse Universe

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



37.5358, 19.1666, 10.1088



43.0519, 21.9848, 11.4713



37.3238, 49.4815, 90.0212



16.0011, 15.8502, 17.5621



20.6034, 10.5138, 5.8282



1.7594, 0.8928, 0.7241

Previews

White Background



This preview shows how the XYZ color 37.5354, 19.1654, 10.1085 looks on a white background.

Color Contrast Check

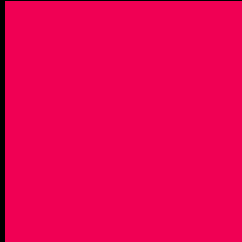
Large Text (above 18pt) WCAG AA ✓ Pass

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 37.5354, 19.1654, 10.1085 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 37.5354, 19.1654, 10.1085

Background



This preview shows how black text looks on a background with the XYZ color 37.5354, 19.1654, 10.1085.



This preview shows how white text looks on a background with the XYZ color 37.5354, 19.1654,

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

37.5354, 19.1654, 10.1085

Protanopia

18.9921, 19.7091, 21.5421

Deuteranopia

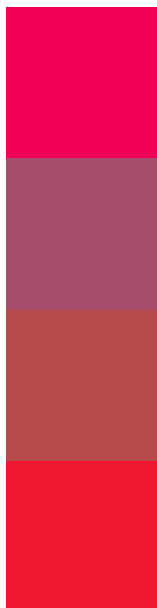
19.9583, 19.5932, 9.0333



Tritanopia

36.0663, 19.4149, 3.0748

Trichromacy



Original Color

37.5354, 19.1654, 10.1085

Protanomaly

21.4211, 14.7684, 16.1896

Deuteranomaly

23.0797, 15.3785, 8.7731

Tritanomaly

36.4592, 19.1548, 4.7932

Monochromacy



Original Color

37.5354, 19.1654, 10.1085

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 37.5354, 19.1654, 10.1085 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, 84)` looks like.

```
.text, #text, p{  
    color:rgb(240, 0, 84)  
}
```

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, 84) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 0, 84) }
```

Border

The CSS property to change the border of an element to XYZ 37.5354, 19.1654, 10.1085 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, 84) }
```


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

```
.border{ border-color:rgb(240, 0, 84) }
```

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, 84) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 0, 84); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 0, 84);  
box-shadow:4px 4px 4px 4px rgb(240, 0, 84)  
}
```

Background

The CSS property to change the background color of an element to XYZ 37.5354, 19.1654, 10.1085 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, 84) }
```

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

```
.background{ background-color: rgb(240, 0,  
84) }
```

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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