

Converting Colors

XYZ(38.3564, 19.5825, 10.4198)

Have a look what the booklet for
XYZ(38.3564, 19.5825, 10.4198)
contains.

XYZ(38.2576, 19.5331, 10.3482)	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(38.2576, 19.5331,
10.3482)**

Conversions

Conversions Part 1

Format	Color
Hex	F20055
RGB	242, 0, 85
RGB Percent	95%, 0%, 33%
CMY	0.0510, 0.9998, 0.6667
CMYK	0.00, 1.00, 0.65, 0.05
HSL	339°, 100%, 47%
HSV	339°, 100%, 95%
XYZ	38.2576, 19.5331, 10.3482
YIQ	82.0480, 116.9470, 77.7390

Conversions

Conversions Part 2

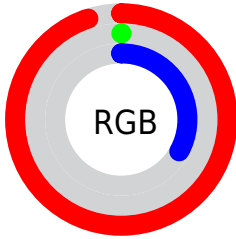
Format	Color
RYB	242, 0, 85
Decimal	15859797
CIELab	51.31, 79.06, 24.77
CIElCh	51, 82.854, 17.397
Yxy	19.5331, 0.5615, 0.2867
Android (android.graphics.Color)	4294049877 (0xFFFF20055)
YUV	82.0480, 1.4553, 140.2779
Hunter-Lab	44.1963, 77.1714, 17.0551

Details

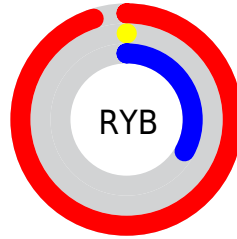
The XYZ color **38.2576, 19.5331, 10.3482** is a dark color, and the websafe version is hex **FF3366**. The color can be described as dark saturated red. A complement of this color would be **37.8436, 65.9406, 42.6583**, and the grayscale version is **8.0171, 8.4346, 9.1853**.

A 20% lighter version of the original color is **49.6353, 31.1656, 25.9538**, and **18.5317, 9.5072, 2.9562** is the 20% darker color. If you saturate the color by 10%, you get **38.2558, 19.5324, 10.3400**, and if you desaturate by 10%, it is **39.2842, 20.4750, 14.1176**.

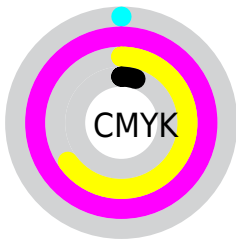
Distribution



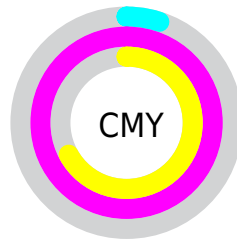
- Red (95%)
- Green (0%)
- Blue (33%)



- Red (95%)
- Yellow (0%)
- Blue (33%)



- Cyan (0%)
- Magenta (100%)
- Yellow (65%)
- Black (5%)





- Cyan (5%)
- Magenta (100%)
- Yellow (67%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.2576, 19.5331, 10.3482 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 38.2576, 19.5331, 10.3482 by changing the saturation by 10% instead.

 38.2576, 19.5331,
10.3482


 38.2576, 19.5331,
10.3482


329.9855,
249.3762, 203.7138

 26.3608, 12.0561,
5.5218


 71.8042, 42.6330,
27.0664


 17.2278, 6.7819,
2.4925


 94.1846, 59.0247,
39.7953


 10.4934, 3.3261,
0.8362


 120.7904, 79.1567,
55.9954

 5.7921, 1.3042,
0.0000

 151.9867,
103.4135, 76.0853

 2.7585, 0.1445,
0.0000

 188.1391,
132.1795, 100.4836

 1.0274, 0.0000,
0.0000

 229.6127,

 0.0000, 0.0000,

165.8390, 129.6087

0.0000

276.7731,
204.7764, 163.8793

■ 38.2576, 19.5331,
10.3482

■ 38.2576, 19.5331,
10.3482

■ 38.2558, 19.5324,
10.3400

■ 39.2842, 20.4750,
14.1176

■ 40.8698, 22.2994,
18.7978

■ 43.1505, 25.2667,
24.4726

■ 46.2102, 29.5331,
31.2055

■ 50.1200, 35.2296,
39.0533

■ 54.9423, 42.4713,
48.0684

■ 60.7336, 51.3615,
58.2994

■ 67.5456, 61.9943,
69.7919

■ 75.4264, 74.4569,
82.5889

Harmonies

Analogous

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



38.8180, 19.5331, 32.8374



38.2576, 19.5331, 10.3482



31.5491, 19.5331, 2.2715

Triad

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



38.2576, 19.5331, 10.3482



9.1460, 19.5331, 2.9337



15.3066, 19.5331, 103.9004

Complementary

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



38.2576, 19.5331, 10.3482



37.8436, 65.9406, 42.6583

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.



9.7455, 19.5331, 75.5102



38.2576, 19.5331, 10.3482



6.9667, 19.5331, 12.7962

Square

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



38.2576, 19.5331, 10.3482



14.2042, 19.5331, 0.6567



7.1474, 19.5331, 38.0037



23.7393, 19.5331, 101.0867

Rectangle

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



38.2576, 19.5331, 10.3482



25.3750, 19.5331, 0.8366



7.1474, 19.5331, 38.0037



13.0984, 19.5331, 97.1384

Sweetspot

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



38.2581, 19.5343, 10.3485



68.3227, 57.7252, 65.5252



29.2190, 13.2125, 85.0141



14.0054, 11.4014, 12.9472



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.



38.2581, 19.5343, 10.3485



43.0653, 21.9901, 11.5419



37.1432, 19.9276, 1.8905



16.0020, 15.8505, 17.5665



20.6100, 10.5164, 5.8627



1.7601, 0.8931, 0.7273

Inverse Universe

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



38.2581, 19.5343, 10.3485



43.0653, 21.9901, 11.5419



39.0103, 52.3765, 92.0574



16.0020, 15.8505, 17.5665



20.6100, 10.5164, 5.8627



1.7601, 0.8931, 0.7273

Previews

White Background



This preview shows how the XYZ color 38.2576, 19.5331, 10.3482 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 38.2576, 19.5331, 10.3482 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 38.2576, 19.5331, 10.3482

Background



This preview shows how black text looks on a background with the XYZ color 38.2576, 19.5331, 10.3482.



This preview shows how white text looks on a background with the XYZ color 38.2576, 19.5331,

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

38.2576, 19.5331, 10.3482

Protanopia

19.3888, 20.0822, 22.2564

Deuteranopia

20.2921, 19.9353, 9.2570



Tritanopia

36.7545, 19.7682, 3.1748

Trichromacy



Original Color

38.2576, 19.5331, 10.3482



Protanomaly

21.6873, 14.8994, 16.4847



Deuteranomaly

23.4197, 15.6495, 8.9940



Tritanomaly

37.1601, 19.5136, 4.9399

Monochromacy



Original Color

38.2576, 19.5331, 10.3482



Achromatopsia

8.0200, 8.4376, 9.1886



Achromatomaly

13.6045, 8.6560, 9.1373

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.2576, 19.5331, 10.3482 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(242, 0, 85)` looks like.

```
.text, #text, p{  
    color:rgb(242, 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(242, 0, 85) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 0, 85) }
```

Border

The CSS property to change the border of an element to XYZ 38.2576, 19.5331, 10.3482 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(242, 0, 85) }
```


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

```
.border{ border-color:rgb(242, 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(242, 0, 85) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 0, 85); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 0, 85);  
box-shadow:4px 4px 4px 4px rgb(242, 0, 85)  
}
```

Background

The CSS property to change the background color of an element to XYZ 38.2576, 19.5331, 10.3482 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 0, 85) }
```

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

```
.background{ background-color: rgb(242, 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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