

Converting Colors

XYZ(38.7171, 19.7268, 12.3193)

Have a look what the booklet for
XYZ(38.7171, 19.7268, 12.3193)
contains.

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Color

**XYZ(38.6383, 19.6854,
12.3529)**

Conversions

Conversions Part 1

Format	Color
Hex	F2005E
RGB	242, 0, 94
RGB Percent	95%, 0%, 37%
CMY	0.0510, 0.9998, 0.6314
CMYK	0.00, 1.00, 0.61, 0.05
HSL	337°, 100%, 47%
HSV	337°, 100%, 95%
XYZ	38.6383, 19.6854, 12.3529
YIQ	83.0740, 114.0580, 80.5380

Conversions

Conversions Part 2

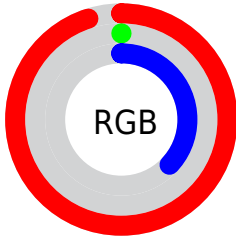
Format	Color
R_{YB}	242, 0, 94
Decimal	15859806
CIE _{Lab}	51.48, 79.53, 19.52
CIE _{LCh}	51, 81.894, 13.792
Yxy	19.6854, 0.5467, 0.2785
Android (android.graphics.Color)	4294049886 (0xFFFF2005E)
YUV	83.0740, 5.3865, 139.3781
Hunter-Lab	44.3682, 77.8032, 14.5504

Details

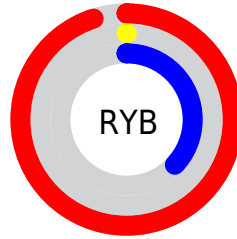
The XYZ color **38.6383, 19.6854, 12.3529** is a dark color, and the websafe version is hex **FF0066**. The color can be described as dark saturated red. A complement of this color would be **37.1028, 65.6443, 38.7572**, and the grayscale version is **8.2170, 8.6450, 9.4144**.

A 20% lighter version of the original color is **50.4569, 31.6394, 29.8332**, and **18.9145, 9.6867, 3.7786** is the 20% darker color. If you saturate the color by 10%, you get **38.6364, 19.6846, 12.3441**, and if you desaturate by 10%, it is **39.6995, 20.6411, 16.3045**.

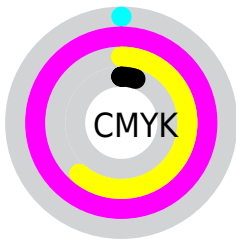
Distribution



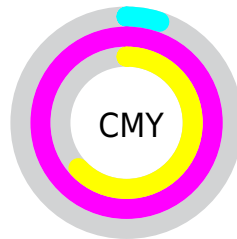
- Red (95%)
- Green (0%)
- Blue (37%)



- Red (95%)
- Yellow (0%)
- Blue (37%)



- Cyan (0%)
- Magenta (100%)
- Yellow (61%)
- Black (5%)





- Cyan (5%)
- Magenta (100%)
- Yellow (63%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.6383, 19.6854, 12.3529 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 38.6383, 19.6854, 12.3529 by changing the saturation by 10% instead.


 38.6383, 19.6854,
12.3529


 38.6383, 19.6854,
12.3529

331.5839,
250.2069, 217.7880


 26.6579, 12.1666,
6.8590


 72.3831, 42.8891,
30.8102

 17.4517, 6.8572,
3.2970


 94.8781, 59.3428,
44.6107


 10.6544, 3.3730,
1.2482


 121.6088, 79.5435,
62.0172

 5.9005, 1.3294,
0.0188

 152.9405,
103.8757, 83.4482

 2.8248, 0.1638,
0.0000

 189.2385,
132.7237, 109.3222

 1.0618, 0.0000,
0.0000

 230.8682,

 0.0000, 0.0000,

166.4720, 140.0578

0.0000

278.1949,
205.5049, 176.0735

■ 38.6383, 19.6854,
12.3529

■ 38.6383, 19.6854,
12.3529

■ 38.6364, 19.6846,
12.3441

■ 39.6995, 20.6411,
16.3045

■ 41.3070, 22.4743,
21.0998

■ 43.5954, 25.4447,
26.8148

■ 46.6471, 29.7079,
33.5058

■ 50.5322, 35.3946,
41.2234

■ 55.3118, 42.6193,
50.0140

■ 61.0416, 51.4849,
59.9205

■ 67.7721, 62.0852,
70.9836

■ 75.5504, 74.5068,
83.2413

Harmonies

Analogous

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



38.3594, 19.6854, 36.7122



38.6383, 19.6854, 12.3529



32.5944, 19.6854, 2.8915

Triad

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



38.6383, 19.6854, 12.3529



9.7659, 19.6854, 2.5510



14.6367, 19.6854, 100.8938

Complementary

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



38.6383, 19.6854, 12.3529



37.1028, 65.6443, 38.7572

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.



9.4637, 19.6854, 70.4937



38.6383, 19.6854, 12.3529



7.2676, 19.6854, 11.1201

Square

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



38.6383, 19.6854, 12.3529



15.1898, 19.6854, 0.6450



7.1762, 19.6854, 34.1368



22.7367, 19.6854, 102.2871

Rectangle

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



38.6383, 19.6854, 12.3529



26.5937, 19.6854, 1.0722



7.1762, 19.6854, 34.1368



12.5627, 19.6854, 93.0880

Sweetspot

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



38.6388, 19.6866, 12.3532



68.6703, 57.8642, 67.3552



27.7442, 12.4522, 84.9451



14.0866, 11.4339, 13.3749



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.



38.6388, 19.6866, 12.3532



43.4926, 22.1611, 13.7922



36.9500, 19.5411, 1.8261



16.0269, 15.8605, 17.6977



20.8181, 10.5997, 6.9585



1.7792, 0.9007, 0.8282

Inverse Universe

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



38.6388, 19.6866, 12.3532



43.4926, 22.1611, 13.7922



41.0487, 56.4532, 92.7369



16.0269, 15.8605, 17.6977



20.8181, 10.5997, 6.9585



1.7792, 0.9007, 0.8282

Previews

White Background



This preview shows how the XYZ color 38.6383, 19.6854, 12.3529 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 38.6383, 19.6854, 12.3529 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 38.6383, 19.6854, 12.3529

Background



This preview shows how black text looks on a background with the XYZ color 38.6383, 19.6854, 12.3529.



This preview shows how white text looks on a background with the XYZ color 38.6383, 19.6854,

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

38.6383, 19.6854, 12.3529

Protanopia

19.7667, 20.1830, 26.5208

Deuteranopia

20.5915, 20.2233, 11.2057



Tritanopia

36.9317, 20.0328, 3.5103

Trichromacy



Original Color

38.6383, 19.6854, 12.3529



Protanomaly

21.9015, 14.9362, 19.8178



Deuteranomaly

23.8743, 15.9407, 11.0511



Tritanomaly

37.3161, 19.6396, 5.5654

Monochromacy



Original Color

38.6383, 19.6854, 12.3529



Achromatopsia

8.2219, 8.6500, 9.4199



Achromatomaly

13.9779, 8.8970, 9.9974

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.6383, 19.6854, 12.3529 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, 94)` looks like.

```
.text, #text, p{  
    color:rgb(242, 0, 94)  
}
```

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, 94) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 0, 94) }
```

Border

The CSS property to change the border of an element to XYZ 38.6383, 19.6854, 12.3529 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, 94) }
```


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

```
.border{ border-color:rgb(242, 0, 94) }
```

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, 94) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 0, 94); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 0, 94);  
box-shadow:4px 4px 4px 4px rgb(242, 0, 94)  
}
```

Background

The CSS property to change the background color of an element to XYZ 38.6383, 19.6854, 12.3529 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, 94) }
```

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

```
.background{ background-color: rgb(242, 0,  
94) }
```

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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