

Converting Colors

XYZ(37.4162, 19.7386, 3.8301)

Have a look what the booklet for
XYZ(37.4162, 19.7386, 3.8301)
contains.

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Color

**XYZ(37.3276, 19.6837,
3.8394)**

Conversions

Conversions Part 1

Format	Color
Hex	F21828
RGB	242, 24, 40
RGB Percent	95%, 9%, 16%
CMY	0.0510, 0.9058, 0.8431
CMYK	0.00, 0.90, 0.83, 0.05
HSL	356°, 89%, 52%
HSV	356°, 90%, 95%
XYZ	37.3276, 19.6837, 3.8394
YIQ	91.0060, 124.7920, 51.1920

Conversions

Conversions Part 2

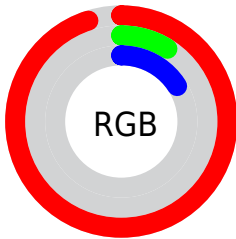
Format	Color
R_{YB}	242, 24, 40
Decimal	15865896
CIE _{Lab}	51.48, 75.30, 50.76
CIE _{LCh}	51, 90.813, 33.981
Yxy	19.6837, 0.6134, 0.3235
Android (android.graphics.Color)	4294055976 (0xFFFF21828)
YUV	91.0060, -25.1460, 132.4217
Hunter-Lab	44.3663, 72.5399, 25.9255

Details

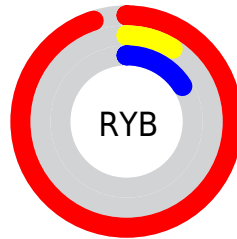
The XYZ color **37.3276, 19.6837, 3.8394** is a dark color, and the websafe version is hex **FF3333**. The color can be described as dark washed red. A complement of this color would be **45.8613, 69.1912, 82.9127**, and the grayscale version is **9.9846, 10.5046, 11.4395**.

A 20% lighter version of the original color is **47.5175, 31.0625, 12.5080**, and **17.9045, 9.2301, 0.8379** is the 20% darker color. If you saturate the color by 10%, you get **36.7247, 18.9199, 2.2770**, and if you desaturate by 10%, it is **38.5655, 21.3626, 6.7099**.

Distribution



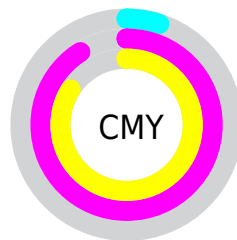
- Red (95%)
- Green (9%)
- Blue (16%)



- Red (95%)
- Yellow (9%)
- Blue (16%)



- Cyan (0%)
- Magenta (90%)
- Yellow (83%)
- Black (5%)





- Cyan (5%)
- Magenta (91%)
- Yellow (84%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 37.3276, 19.6837, 3.8394 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 37.3276, 19.6837, 3.8394 by changing the saturation by 10% instead.


 37.3276, 19.6837,
3.8394

 37.3276, 19.6837,
3.8394


326.0576,
250.1976, 146.4232


 25.6361, 12.1653,
1.5377


 70.3869, 42.8862,
13.6376

 16.6828, 6.8564,
0.2457


 92.4854, 59.3392,
21.9712

 10.1025, 3.3724,
0.0000


 118.7836, 79.5392,
33.1525

 5.5298, 1.3291,
0.0000

 149.6469,
103.8705, 47.6000

 2.5992, 0.1636,
0.0000

 185.4406,
132.7176, 65.7323

 0.9456, 0.0000,
0.0000

 226.5300,

 0.0000, 0.0000,

166.4649, 87.9679

0.0000

273.2806,
205.4968, 114.7254

■ 37.3276, 19.6837,
3.8394

■ 37.3276, 19.6837,
3.8394

■ 36.7247, 18.9199,
2.2770

■ 38.5655, 21.3626,
6.7099

■ 40.5971, 24.2216,
11.0996

■ 43.5272, 28.4263,
17.1804

■ 47.4445, 34.1151,
25.1010

■ 52.4267, 41.4093,
34.9938

■ 58.5440, 50.4177,
46.9788

■ 65.8603, 61.2393,
61.1666

■ 74.4351, 73.9660,
77.6600

■ 84.3236, 88.6831,
96.5553

Harmonies

Analogous

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



42.2016, 19.6837, 18.1334



37.3276, 19.6837, 3.8394



27.4973, 19.6837, 0.4996

Triad

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



37.3276, 19.6837, 3.8394



6.9660, 19.6837, 6.0941



19.9519, 19.6837, 120.6071

Complementary

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



37.3276, 19.6837, 3.8394



45.8613, 69.1912, 82.9127

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.



12.0261, 19.6837, 105.5690



37.3276, 19.6837, 3.8394



6.1066, 19.6837, 25.1086

Square

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



37.3276, 19.6837, 3.8394



10.5240, 19.6837, 0.9403



7.6148, 19.6837, 63.5012



30.3121, 19.6837, 95.8003

Rectangle

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



37.3276, 19.6837, 3.8394



20.6073, 19.6837, 0.0000



7.6148, 19.6837, 63.5012



16.9306, 19.6837, 120.1154

Sweetspot

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



37.3280, 19.6849, 3.8397



68.2558, 60.2112, 57.4265



47.0437, 22.8864, 85.9419



14.0433, 12.0513, 11.1895



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.



37.3280, 19.6849, 3.8397



41.3548, 21.3059, 2.5347



42.8968, 31.1710, 4.6216



15.8198, 15.7776, 16.6072



19.7471, 10.1712, 1.3186



1.6590, 0.8526, 0.1951

Inverse Universe

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



37.3280, 19.6849, 3.8397



41.3548, 21.3059, 2.5347



27.5000, 28.7966, 88.1127



15.8198, 15.7776, 16.6072



19.7471, 10.1712, 1.3186



1.6590, 0.8526, 0.1951

Previews

White Background



This preview shows how the XYZ color 37.3276, 19.6837, 3.8394 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 37.3276, 19.6837, 3.8394 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 37.3276, 19.6837, 3.8394

Background



This preview shows how black text looks on a background with the XYZ color 37.3276, 19.6837, 3.8394.



This preview shows how white text looks on a background with the XYZ color 37.3276, 19.6837,

3.8394.

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

37.3276, 19.6837, 3.8394

Protanopia

18.2582, 20.0084, 7.6023

Deuteranopia

20.1442, 19.8196, 3.1446



Tritanopia

37.1686, 19.7619, 2.5649

Trichromacy



Original Color

37.3276, 19.6837, 3.8394

Protanomaly

21.8585, 16.3692, 5.6219

Deuteranomaly

23.7414, 16.8132, 2.8046

Tritanomaly

37.2195, 19.7450, 2.9481

Monochromacy



Original Color

37.3276, 19.6837, 3.8394

Achromatopsia

9.9438, 10.4616, 11.3927

Achromatomaly

15.0309, 10.5932, 7.3834

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.3276, 19.6837, 3.8394 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, 24, 40)` looks like.

```
.text, #text, p{  
    color:rgb(242, 24, 40)  
}
```

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, 24, 40) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 24, 40) }
```

Border

The CSS property to change the border of an element to XYZ 37.3276, 19.6837, 3.8394 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, 24, 40) }
```


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

```
.border{ border-color:rgb(242, 24, 40) }
```

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

Here you see how a box with a 4 pixel `rgb(242, 24, 40)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 24, 40); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 24, 40);  
box-shadow:4px 4px 4px 4px rgb(242, 24,  
40) }
```

Background

The CSS property to change the background color of an element to XYZ 37.3276, 19.6837, 3.8394 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 24, 40) }
```

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

```
.background{ background-color: rgb(242, 24,  
40) }
```

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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