

Converting Colors

XYZ(41.0063, 21.4214, 11.4794)

Have a look what the booklet for
XYZ(41.0063, 21.4214, 11.4794)
contains.

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Color

**XYZ(40.8412, 21.3310,
11.4159)**

Conversions

Conversions Part 1

Format	Color
Hex	F81859
RGB	248, 24, 89
RGB Percent	97%, 9%, 35%
CMY	0.0275, 0.9057, 0.6510
CMYK	0.00, 0.90, 0.64, 0.03
HSL	343°, 94%, 53%
HSV	343°, 90%, 97%
XYZ	40.8412, 21.3310, 11.4159
YIQ	98.3860, 112.6390, 67.7030

Conversions

Conversions Part 2

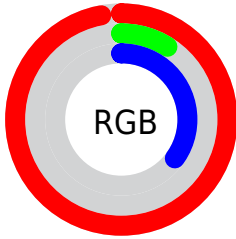
Format	Color
R_{YB}	248, 24, 89
Decimal	16259161
CIE _{Lab}	53.31, 78.55, 25.19
CIE _{LCh}	53, 82.494, 17.781
Yxy	21.3310, 0.5550, 0.2899
Android (android.graphics.Color)	4294449241 (0xFFFF81859)
YUV	98.3860, -4.6273, 131.2115
Hunter-Lab	46.1855, 77.0205, 17.6748

Details

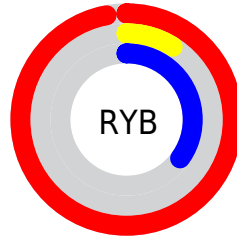
The XYZ color **40.8412, 21.3310, 11.4159** is a dark color, and the websafe version is hex **FF3366**. The color can be described as dark washed red. A complement of this color would be **42.4955, 70.7493, 56.2345**, and the grayscale version is **11.7016, 12.3110, 13.4067**.

A 20% lighter version of the original color is **50.7504, 32.8246, 28.0870**, and **19.9831, 10.2491, 3.3079** is the 20% darker color. If you saturate the color by 10%, you get **39.8788, 20.4234, 7.9604**, and if you desaturate by 10%, it is **42.4358, 23.1924, 16.0416**.

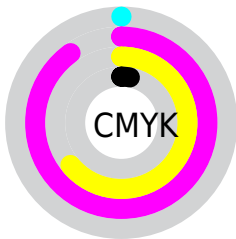
Distribution



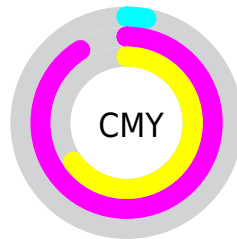
- Red (97%)
- Green (9%)
- Blue (35%)



- Red (97%)
- Yellow (9%)
- Blue (35%)



- Cyan (0%)
- Magenta (90%)
- Yellow (64%)
- Black (3%)





- Cyan (3%)
- Magenta (91%)
- Yellow (65%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 40.8412, 21.3310, 11.4159 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 40.8412, 21.3310, 11.4159 by changing the saturation by 10% instead.


 40.8412, 21.3310,
11.4159


 40.8412, 21.3310,
11.4159


340.7304,
259.0324, 211.3379


 28.3821, 13.3662,
6.2296


 75.7190, 45.6378,
29.0750

 18.7558, 7.6812,
2.9142


 98.8685, 62.7485,
42.3850


 11.5970, 3.8916,
1.0510


 126.3121, 83.6766,
59.2399

 6.5401, 1.6131,
0.0000

 158.4153,
108.8066, 80.0583

 3.2199, 0.3664,
0.0000

 195.5433,
138.5227, 105.2588

 1.2711, 0.0000,
0.0000

238.0616,

 0.1614, 0.0000,

173.2095, 135.2598

0.0000

286.3355,
213.2512, 170.4800

■ 0.0000, 0.0000,
0.0000

■ 40.8412, 21.3310,
11.4159

■ 40.8412, 21.3310,
11.4159

■ 39.8788, 20.4234,
7.9604

■ 42.4358, 23.1924,
16.0416

■ 44.7872, 26.2659,
21.8487

■ 47.9885, 30.7208,
28.9204

■ 52.1182, 36.6985,
37.3312

■ 57.2454, 44.3225,
47.1493

63.4324, 53.7037,
58.4377

70.7362, 64.9433,
71.2558

79.2098, 78.1346,
85.6591

88.9026, 93.3648,
101.7007

Harmonies

Analogous

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



41.5177, 21.3310, 34.9660



40.8412, 21.3310, 11.4159



33.7839, 21.3310, 2.7117

Triad

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



40.8412, 21.3310, 11.4159



10.2064, 21.3310, 3.5790



16.9235, 21.3310, 109.0874

Complementary

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



40.8412, 21.3310, 11.4159



42.4955, 70.7493, 56.2345

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.



10.9532, 21.3310, 80.1635



40.8412, 21.3310, 11.4159



7.8911, 21.3310, 14.4605

Square

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



40.8412, 21.3310, 11.4159



15.5659, 21.3310, 0.9341



8.1181, 21.3310, 41.2290



25.8481, 21.3310, 105.7342

Rectangle

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



40.8412, 21.3310, 11.4159



27.3118, 21.3310, 1.0921



8.1181, 21.3310, 41.2290



14.5635, 21.3310, 102.2735

Sweetspot

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



40.8417, 21.3323, 11.4162



69.9859, 60.9032, 66.5367



36.2820, 17.2328, 90.2204



14.4410, 12.2104, 13.2839



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.



40.8417, 21.3323, 11.4162



42.4750, 21.7540, 8.4332



40.9939, 24.2575, 3.3876



17.4517, 17.3080, 18.9682



21.5952, 11.0538, 4.5768



2.0440, 1.0413, 0.6550

Inverse Universe

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



40.8417, 21.3323, 11.4162



42.4750, 21.7540, 8.4332



38.7254, 49.7813, 96.3741



17.4517, 17.3080, 18.9682



21.5952, 11.0538, 4.5768



2.0440, 1.0413, 0.6550

Previews

White Background



This preview shows how the XYZ color 40.8412, 21.3310, 11.4159 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 40.8412, 21.3310, 11.4159 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 40.8412, 21.3310, 11.4159

Background



This preview shows how black text looks on a background with the XYZ color 40.8412, 21.3310, 11.4159.



This preview shows how white text looks on a background with the XYZ color 40.8412, 21.3310,

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

40.8412, 21.3310, 11.4159

Protanopia

20.7577, 21.5095, 23.8266

Deuteranopia

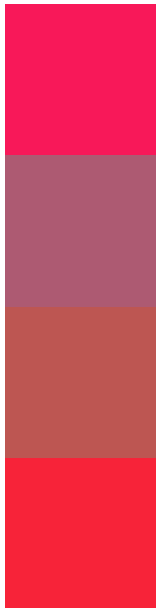
21.8522, 21.4377, 10.1939



Tritanopia

39.1652, 21.3252, 3.9714

Trichromacy



Original Color

40.8412, 21.3310, 11.4159

Protanomaly

23.9270, 17.4115, 18.0192

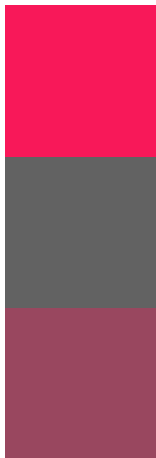
Deuteranomaly

25.8370, 18.0836, 10.1114

Tritanomaly

39.6973, 21.2716, 5.8844

Monochromacy



Original Color

40.8412, 21.3310, 11.4159

Achromatopsia

11.6093, 12.2139, 13.3009

Achromatomaly

17.4557, 12.1050, 12.2430

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.8412, 21.3310, 11.4159 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(248, 24, 89)` looks like.

```
.text, #text, p{  
  color:rgb(248, 24, 89)  
}
```

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(248, 24, 89) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(248, 24, 89) }
```

Border

The CSS property to change the border of an element to XYZ 40.8412, 21.3310, 11.4159 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(248, 24, 89) }
```


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

```
.border{ border-color:rgb(248, 24, 89) }
```

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

Here you see how a box with a 4 pixel rgb(248, 24, 89) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(248, 24, 89); -webkit-box-  
shadow:4px 4px 4px 4px rgb(248, 24, 89);  
box-shadow:4px 4px 4px 4px rgb(248, 24,  
89) }
```

Background

The CSS property to change the background color of an element to XYZ 40.8412, 21.3310, 11.4159 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(248, 24, 89) }
```

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

```
.background{ background-color: rgb(248, 24,  
89) }
```

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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