

Converting Colors

XYZ(38.5768, 20.3649, 12.8385)

Have a look what the booklet for
XYZ(38.5768, 20.3649, 12.8385)
contains.

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Color

**XYZ(38.4907, 20.3315,
12.7221)**

Conversions

Conversions Part 1

Format	Color
Hex	F01F5F
RGB	240, 31, 95
RGB Percent	94%, 12%, 37%
CMY	0.0588, 0.8783, 0.6275
CMYK	0.00, 0.87, 0.60, 0.06
HSL	342°, 87%, 53%
HSV	342°, 87%, 94%
XYZ	38.4907, 20.3315, 12.7221
YIQ	100.7870, 104.0200, 64.2120

Conversions

Conversions Part 2

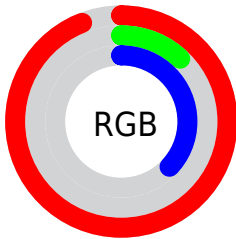
Format	Color
R_{YB}	240, 31, 95
Decimal	15736671
CIE _{Lab}	52.21, 75.91, 19.83
CIE _{LCh}	52, 78.459, 14.638
Yxy	20.3315, 0.5380, 0.2842
Android (android.graphics.Color)	4293926751 (0xFFFF01F5F)
YUV	100.7870, -2.8530, 122.0898
Hunter-Lab	45.0905, 73.4651, 14.8349

Details

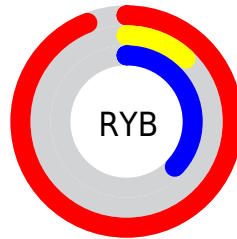
The XYZ color **38.4907, 20.3315, 12.7221** is a dark color, and the websafe version is hex **FF3366**. The color can be described as dark washed red. A complement of this color would be **39.5648, 65.7471, 51.6929**, and the grayscale version is **12.3065, 12.9474, 14.0997**.

A 20% lighter version of the original color is **51.3011, 33.2050, 30.4934**, and **18.4802, 9.4604, 3.8696** is the 20% darker color. If you saturate the color by 10%, you get **37.3989, 19.2327, 9.0143**, and if you desaturate by 10%, it is **40.2077, 22.4222, 17.4368**.

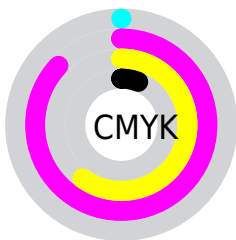
Distribution



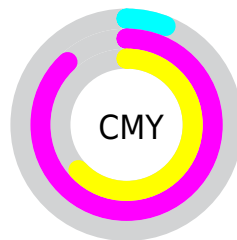
- Red (94%)
- Green (12%)
- Blue (37%)



- Red (94%)
- Yellow (12%)
- Blue (37%)



- Cyan (0%)
- Magenta (87%)
- Yellow (60%)
- Black (6%)





- Cyan (6%)
- Magenta (88%)
- Yellow (63%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.4907, 20.3315, 12.7221 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 38.4907, 20.3315, 12.7221 by changing the saturation by 10% instead.


 38.4907, 20.3315,
12.7221


 38.4907, 20.3315,
12.7221


330.9649,
253.7041, 220.2738


 26.5427, 12.6362,
7.1090


 72.1587, 43.9723,
31.4874


 17.3649, 7.1785,
3.4509


 94.6094, 60.6866,
45.4768


 10.5919, 3.5740,
1.3292


 121.2917, 81.1760,
63.0952

 5.8584, 1.4382,
0.0856

 152.5710,
105.8250, 84.7614

 2.7990, 0.2447,
0.0000

 188.8126,
135.0179, 110.8938

 1.0484, 0.0000,
0.0000

230.3819,

 0.0000, 0.0000,

169.1391, 141.9110

0.0000

277.6442,
208.5731, 178.2315

■ 38.4907, 20.3315,
12.7221

■ 38.4907, 20.3315,
12.7221

■ 37.3989, 19.2327,
9.0143

■ 40.2077, 22.4222,
17.4368

■ 37.1532, 19.0125,
8.0972

■ 42.6493, 25.6875,
23.2380

■ 45.8954, 30.2740,
30.1957

■ 50.0148, 36.3055,
38.3731

■ 55.0682, 43.8918,
47.8281

61.1109, 53.1317,
58.6149

68.1938, 64.1158,
70.7843

76.3641, 76.9282,
84.3844

85.6660, 91.6475,
99.4608

Harmonies

Analogous

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



38.4107, 20.3315, 36.0717



38.4907, 20.3315, 12.7221



32.5555, 20.3315, 3.3189

Triad

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



38.4907, 20.3315, 12.7221



10.3650, 20.3315, 3.2086



15.5090, 20.3315, 98.2412

Complementary

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



38.4907, 20.3315, 12.7221



39.5648, 65.7471, 51.6929

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.



10.2741, 20.3315, 70.1428



38.4907, 20.3315, 12.7221



7.9159, 20.3315, 12.3523

Square

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



38.4907, 20.3315, 12.7221



15.6725, 20.3315, 0.9863



7.8881, 20.3315, 35.3287



23.5038, 20.3315, 98.6327

Rectangle

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



38.4907, 20.3315, 12.7221



26.7374, 20.3315, 1.3867



7.8881, 20.3315, 35.3287



13.4264, 20.3315, 91.1615

Sweetspot

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



38.4912, 20.3327, 12.7224



70.8813, 62.1295, 68.5758



33.6353, 16.2511, 83.8015



14.6186, 12.4474, 13.7077



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.



38.4912, 20.3327, 12.7224



42.6174, 21.8110, 9.1835



38.3316, 22.9222, 3.7023



15.9720, 15.8385, 17.4089



20.3903, 10.4286, 4.7061



1.7390, 0.8847, 0.6166

Inverse Universe

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



38.4912, 20.3327, 12.7224



42.6174, 21.8110, 9.1835



37.3413, 48.6776, 89.8652



15.9720, 15.8385, 17.4089



20.3903, 10.4286, 4.7061



1.7390, 0.8847, 0.6166

Previews

White Background



This preview shows how the XYZ color 38.4907, 20.3315, 12.7221 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 38.4907, 20.3315, 12.7221 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 38.4907, 20.3315, 12.7221

Background



This preview shows how black text looks on a background with the XYZ color 38.4907, 20.3315, 12.7221.



This preview shows how white text looks on a background with the XYZ color 38.4907, 20.3315,

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

38.4907, 20.3315, 12.7221

Protanopia

20.0383, 20.5245, 25.8272

Deuteranopia

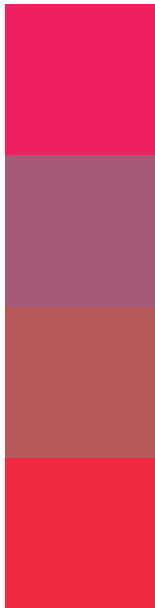
20.9338, 20.5728, 11.4620



Tritanopia

36.7300, 20.3284, 4.5727

Trichromacy



Original Color

38.4907, 20.3315, 12.7221

Protanomaly

22.9827, 16.8839, 19.8169

Deuteranomaly

24.8213, 17.7680, 11.5725

Tritanomaly

37.3150, 20.3068, 6.8034

Monochromacy



Original Color

38.4907, 20.3315, 12.7221

Achromatopsia

12.3695, 13.0136, 14.1719

Achromatomaly

17.7855, 12.7451, 13.3270

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.4907, 20.3315, 12.7221 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, 31, 95)` looks like.

```
.text, #text, p{  
    color:rgb(240, 31, 95)  
}
```

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, 31, 95) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 31, 95) }
```

Border

The CSS property to change the border of an element to XYZ 38.4907, 20.3315, 12.7221 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, 31, 95) }
```


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

```
.border{ border-color:rgb(240, 31, 95) }
```

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

Here you see how a box with a 4 pixel rgb(240, 31, 95) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 31, 95); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 31, 95);  
box-shadow:4px 4px 4px 4px rgb(240, 31,  
95) }
```

Background

The CSS property to change the background color of an element to XYZ 38.4907, 20.3315, 12.7221 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 31, 95) }
```

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

```
.background{ background-color: rgb(240, 31,  
95) }
```

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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