

Converting Colors

XYZ(38.3017, 20.3658, 11.9368)

Have a look what the booklet for
XYZ(38.3017, 20.3658, 11.9368)
contains.

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Color

**XYZ(38.4390, 20.4420,
12.0450)**

Conversions

Conversions Part 1

Format	Color
Hex	F0225C
RGB	240, 34, 92
RGB Percent	94%, 13%, 36%
CMY	0.0588, 0.8666, 0.6392
CMYK	0.00, 0.86, 0.62, 0.06
HSL	343°, 87%, 54%
HSV	343°, 86%, 94%
XYZ	38.4390, 20.4420, 12.0450
YIQ	102.2060, 104.1580, 61.7100

Conversions

Conversions Part 2

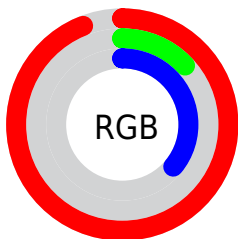
Format	Color
R_{YB}	240, 34, 92
Decimal	15737436
CIE _{Lab}	52.33, 75.22, 21.81
CIE _{LCh}	52, 78.313, 16.168
Yxy	20.4420, 0.5420, 0.2882
Android (android.graphics.Color)	4293927516 (0xFFFF0225C)
YUV	102.2060, -5.0316, 120.8453
Hunter-Lab	45.2128, 72.6345, 15.8537

Details

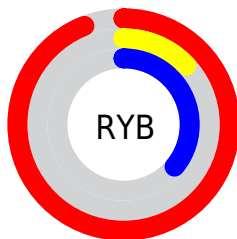
The XYZ color **38.4390, 20.4420, 12.0450** is a dark color, and the websafe version is hex **FF3366**. The color can be described as dark washed red. A complement of this color would be **40.2661, 66.0387, 54.8921**, and the grayscale version is **12.6797, 13.3400, 14.5272**.

A 20% lighter version of the original color is **51.1741, 33.3161, 29.3247**, and **18.4176, 9.4353, 3.5398** is the 20% darker color. If you saturate the color by 10%, you get **37.3055, 19.2474, 8.3618**, and if you desaturate by 10%, it is **40.2227, 22.6630, 16.7917**.

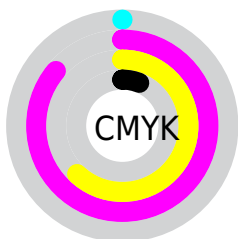
Distribution



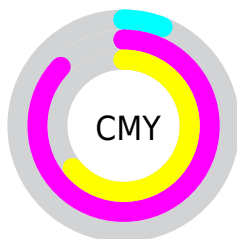
- Red (94%)
- Green (13%)
- Blue (36%)



- Red (94%)
- Yellow (13%)
- Blue (36%)



- Cyan (0%)
- Magenta (86%)
- Yellow (62%)
- Black (6%)





- Cyan (6%)
- Magenta (87%)
- Yellow (64%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.4390, 20.4420, 12.0450 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 38.4390, 20.4420, 12.0450 by changing the saturation by 10% instead.


 38.4390, 20.4420,
12.0450


 38.4390, 20.4420,
12.0450


330.7478,
254.2980, 215.6914


 26.5023, 12.7167,
6.6514


 72.0801, 44.1570,
30.2427

 17.3345, 7.2338,
3.1700


 94.5152, 60.9155,
43.8838


 10.5700, 3.6087,
1.1821


 121.1806, 81.4539,
61.1113

 5.8437, 1.4572,
0.0000

 152.4415,
106.1566, 82.3435

 2.7900, 0.2583,
0.0000

 188.6633,
135.4080, 107.9991

 1.0437, 0.0000,
0.0000

230.2114,

 0.0000, 0.0000,

169.5924, 138.4966

0.0000

277.4511,
209.0942, 174.2545

■ 38.4390, 20.4420,
12.0450

■ 38.4390, 20.4420,
12.0450

■ 37.3055, 19.2474,
8.3618

■ 40.2227, 22.6630,
16.7917


■ 36.9649, 18.9371,
7.1048


■ 42.7516, 26.0822,
22.6858

■ 46.1051, 30.8433,
29.8025


■ 50.3517, 37.0688,
38.2094

■ 55.5526, 44.8670,
47.9692

 61.7631, 54.3361,
59.1400

 69.0345, 65.5661,
71.7763

 77.4142, 78.6406,
85.9298

 86.9470, 93.6379,
101.6497

Harmonies

Analogous

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



38.6974, 20.4420, 34.6444



38.4390, 20.4420, 12.0450



32.2600, 20.4420, 3.1386

Triad

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



38.4390, 20.4420, 12.0450



10.2569, 20.4420, 3.4983



15.9550, 20.4420, 99.1564

Complementary

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



38.4390, 20.4420, 12.0450



40.2661, 66.0387, 54.8921

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.



10.5516, 20.4420, 72.0826



38.4390, 20.4420, 12.0450



7.9318, 20.4420, 13.2437

Square

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



38.4390, 20.4420, 12.0450



15.4256, 20.4420, 1.0523



8.0222, 20.4420, 37.0460



24.0724, 20.4420, 97.8935

Rectangle

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



38.4390, 20.4420, 12.0450



26.3882, 20.4420, 1.3404



8.0222, 20.4420, 37.0460



13.8162, 20.4420, 92.5475

Sweetspot

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



38.4395, 20.4432, 12.0453



70.6799, 62.0490, 67.5152



35.5071, 17.3378, 83.9128



14.5717, 12.4286, 13.4605



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.



38.4395, 20.4432, 12.0453



42.4024, 21.7250, 8.0513



38.9949, 24.1825, 4.1275



15.9557, 15.8320, 17.3228



20.2841, 10.3861, 4.1467



1.7285, 0.8804, 0.5609

Inverse Universe

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



38.4395, 20.4432, 12.0453



42.4024, 21.7250, 8.0513



35.9869, 45.8285, 89.3868



15.9557, 15.8320, 17.3228



20.2841, 10.3861, 4.1467



1.7285, 0.8804, 0.5609

Previews

White Background



This preview shows how the XYZ color 38.4390, 20.4420, 12.0450 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 38.4390, 20.4420, 12.0450 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 38.4390, 20.4420, 12.0450

Background



This preview shows how black text looks on a background with the XYZ color 38.4390, 20.4420, 12.0450.



This preview shows how white text looks on a background with the XYZ color 38.4390, 20.4420,

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

38.4390, 20.4420, 12.0450

Protanopia

19.9671, 20.7146, 24.0650

Deuteranopia

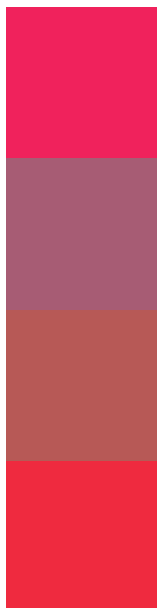
21.0020, 20.6214, 10.8561



Tritanopia

36.7895, 20.4154, 4.6909

Trichromacy



Original Color

38.4390, 20.4420, 12.0450

Protanomaly

22.9159, 17.1307, 18.6218

Deuteranomaly

24.7805, 17.8839, 10.9500

Tritanomaly

37.3218, 20.3655, 6.6665

Monochromacy



Original Color

38.4390, 20.4420, 12.0450

Achromatopsia

12.6291, 13.2868, 14.4694

Achromatomaly

17.8074, 12.8650, 13.0999

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.4390, 20.4420, 12.0450 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, 34, 92)` looks like.

```
.text, #text, p{  
    color:rgb(240, 34, 92)  
}
```

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, 34, 92) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 34, 92) }
```

Border

The CSS property to change the border of an element to XYZ 38.4390, 20.4420, 12.0450 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, 34, 92) }
```


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

```
.border{ border-color:rgb(240, 34, 92) }
```

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

Here you see how a box with a 4 pixel rgb(240, 34, 92) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 34, 92); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 34, 92);  
box-shadow:4px 4px 4px 4px rgb(240, 34,  
92) }
```

Background

The CSS property to change the background color of an element to XYZ 38.4390, 20.4420, 12.0450 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 34, 92) }
```

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

```
.background{ background-color: rgb(240, 34,  
92) }
```

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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