

Converting Colors

XYZ(37.6990, 20.4521, 3.4677)

Have a look what the booklet for
XYZ(37.6990, 20.4521, 3.4677)
contains.

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Color

**XYZ(37.5998, 20.3790,
3.4652)**

Conversions

Conversions Part 1

Format	Color
Hex	F22622
RGB	242, 38, 34
RGB Percent	95%, 15%, 13%
CMY	0.0510, 0.8509, 0.8667
CMYK	0.00, 0.84, 0.86, 0.05
HSL	1°, 89%, 54%
HSV	1°, 86%, 95%
XYZ	37.5998, 20.3790, 3.4652
YIQ	98.5400, 122.8680, 42.0040

Conversions

Conversions Part 2

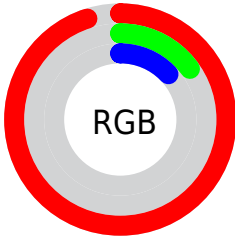
Format	Color
R_{YB}	242, 38, 34
Decimal	15869474
CIE _{Lab}	52.26, 72.81, 54.31
CIE _{LCh}	52, 90.835, 36.723
Yxy	20.3790, 0.6119, 0.3317
Android (android.graphics.Color)	4294059554 (0xFFFF22622)
YUV	98.5400, -31.8182, 125.8144
Hunter-Lab	45.1431, 69.6726, 27.0491

Details

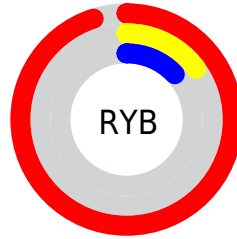
The XYZ color **37.5998, 20.3790, 3.4652** is a dark color, and the websafe version is hex **FF3333**. The color can be described as dark washed red. A complement of this color would be **47.2545, 67.8866, 94.6166**, and the grayscale version is **11.8026, 12.4172, 13.5224**.

A 20% lighter version of the original color is **48.0207, 32.3846, 11.7025**, and **17.9045, 9.2301, 0.8379** is the 20% darker color. If you saturate the color by 10%, you get **36.8323, 19.2205, 2.0501**, and if you desaturate by 10%, it is **39.0958, 22.6033, 6.3321**.

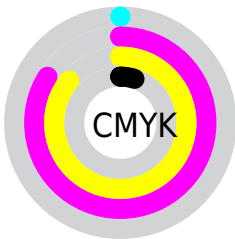
Distribution



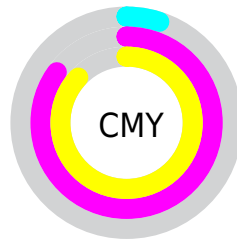
- Red (95%)
- Green (15%)
- Blue (13%)



- Red (95%)
- Yellow (15%)
- Blue (13%)



- Cyan (0%)
- Magenta (84%)
- Yellow (86%)
- Black (5%)





- Cyan (5%)
- Magenta (85%)
- Yellow (87%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 37.5998, 20.3790, 3.4652 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 37.5998, 20.3790, 3.4652 by changing the saturation by 10% instead.


 37.5998, 20.3790,
3.4652


 37.5998, 20.3790,
3.4652


327.2107,
253.9595, 142.0814


 25.8480, 12.6708,
1.3368


 70.8022, 44.0517,
12.7563


 16.8421, 7.2023,
0.0917


 92.9835, 60.7850,
20.7560

 10.2166, 3.5889,
0.0000


 119.3721, 81.2955,
31.5499

 5.6061, 1.4464,
0.0000

 150.3332,
105.9676, 45.5566

 2.6455, 0.2505,
0.0000

 186.2323,
135.1857, 63.1946


 0.9692, 0.0000,
0.0000


 227.4346,


 0.0000, 0.0000,


169.3341, 84.8823


0.0000


 274.3057,
208.7972, 111.0384


 37.5998, 20.3790,
3.4652


 37.5998, 20.3790,
3.4652


 36.8323, 19.2205,
2.0501


 39.0958, 22.6033,
6.3321

 36.6684, 18.9787,
1.7306

 41.4429, 26.0663,
10.9099

 44.7425, 30.9143,
17.4089

 49.0817, 37.2720,
26.0093

 54.5375, 45.2504,
36.8704

61.1797, 54.9501,
50.1361

69.0727, 66.4635,
65.9386

78.2758, 79.8764,
84.4003

88.8449, 95.2692,
105.6357

Harmonies

Analogous

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



43.2057, 20.3790, 16.7017



37.5998, 20.3790, 3.4652



27.3587, 20.3790, 0.4661

Triad

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



37.5998, 20.3790, 3.4652



7.1222, 20.3790, 7.4493



21.5466, 20.3790, 122.3117

Complementary

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



37.5998, 20.3790, 3.4652



47.2545, 67.8866, 94.6166

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.



13.1102, 20.3790, 110.7500



37.5998, 20.3790, 3.4652



6.4579, 20.3790, 28.7638

Square

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



37.5998, 20.3790, 3.4652



10.5012, 20.3790, 1.2310



8.2554, 20.3790, 69.2674



32.1982, 20.3790, 94.0961

Rectangle

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



37.5998, 20.3790, 3.4652



20.4132, 20.3790, 0.0000



8.2554, 20.3790, 69.2674



18.3622, 20.3790, 123.1539

Sweetspot

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



37.6002, 20.3803, 3.4655



68.8023, 61.7402, 56.2643



52.7007, 26.2256, 83.5841



14.1382, 12.3561, 10.8669



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.



37.6002, 20.3803, 3.4655



41.2935, 21.3670, 1.9478



46.5002, 38.1803, 6.4321



15.7973, 15.8077, 16.3683



19.7100, 10.2181, 0.9335



1.6483, 0.8672, 0.0805

Inverse Universe

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



47.2545, 67.8866, 94.6166



52.2571, 75.6342, 106.4524



25.2856, 23.9489, 87.2936



16.2196, 17.8734, 20.3167



24.9412, 36.1066, 50.7826



2.0832, 3.0203, 4.2274

Previews

White Background



This preview shows how the XYZ color 37.5998, 20.3790, 3.4652 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 37.5998, 20.3790, 3.4652 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 37.5998, 20.3790, 3.4652

Background



This preview shows how black text looks on a background with the XYZ color 37.5998, 20.3790, 3.4652.



This preview shows how white text looks on a background with the XYZ color 37.5998, 20.3790,

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

37.5998, 20.3790, 3.4652

Protanopia

18.6469, 20.4225, 6.4492

Deuteranopia

20.6974, 20.4628, 2.8588



Tritanopia

37.6144, 20.3848, 3.5423

Trichromacy



Original Color

37.5998, 20.3790, 3.4652

Protanomaly

22.3319, 17.2640, 4.8446

Deuteranomaly

24.7088, 18.1577, 2.5503

Tritanomaly

37.6144, 20.3848, 3.5423

Monochromacy



Original Color

37.5998, 20.3790, 3.4652

Achromatopsia

11.8596, 12.4772, 13.5877

Achromatomaly

16.6864, 12.3951, 8.1696

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.5998, 20.3790, 3.4652 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, 38, 34)` looks like.

```
.text, #text, p{  
    color:rgb(242, 38, 34)  
}
```

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, 38, 34) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 38, 34) }
```

Border

The CSS property to change the border of an element to XYZ 37.5998, 20.3790, 3.4652 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, 38, 34) }
```


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

```
.border{ border-color:rgb(242, 38, 34) }
```

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

Here you see how a box with a 4 pixel `rgb(242, 38, 34)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 38, 34); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 38, 34);  
box-shadow:4px 4px 4px 4px rgb(242, 38,  
34) }
```

Background

The CSS property to change the background color of an element to XYZ 37.5998, 20.3790, 3.4652 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 38, 34) }
```

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

```
.background{ background-color: rgb(242, 38,  
34) }
```

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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