

Converting Colors

XYZ(37.4692, 20.2330, 3.9618)

Have a look what the booklet for
XYZ(37.4692, 20.2330, 3.9618)
contains.

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Color

**XYZ(37.3202, 20.1771,
3.9351)**

Conversions

Conversions Part 1

Format	Color
Hex	F12528
RGB	241, 37, 40
RGB Percent	95%, 15%, 16%
CMY	0.0549, 0.8548, 0.8431
CMYK	0.00, 0.85, 0.83, 0.05
HSL	359°, 88%, 55%
HSV	359°, 85%, 95%
XYZ	37.3202, 20.1771, 3.9351
YIQ	98.3380, 120.6210, 44.1810

Conversions

Conversions Part 2

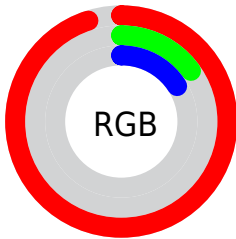
Format	Color
RYB	241, 37, 40
Decimal	15803688
CIELab	52.04, 72.87, 51.18
CIElCh	52, 89.048, 35.082
Yxy	20.1771, 0.6075, 0.3284
Android (android.graphics.Color)	4293993768 (0xFFFF12528)
YUV	98.3380, -28.7606, 125.1146
Hunter-Lab	44.9189, 69.6959, 26.2492

Details

The XYZ color **37.3202, 20.1771, 3.9351** 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 **47.6544, 69.4781, 91.8036**, and the grayscale version is **11.7448, 12.3565, 13.4562**.

A 20% lighter version of the original color is **48.1555, 32.2726, 12.9237**, and **17.6792, 9.1140, 0.8274** is the 20% darker color. If you saturate the color by 10%, you get **36.5137, 19.0247, 2.2478**, and if you desaturate by 10%, it is **38.8689, 22.4185, 7.0917**.

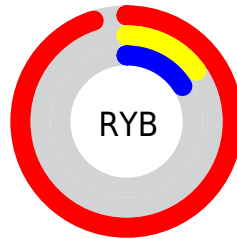
Distribution



Red (95%)

Green (15%)

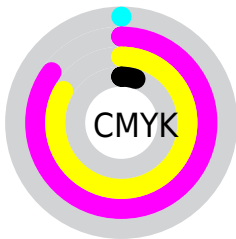
Blue (16%)



Red (95%)

Yellow (15%)

Blue (16%)

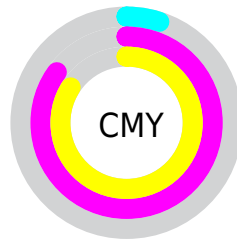


Cyan (0%)

Magenta (85%)

Yellow (83%)

Black (5%)



Cyan (5%)


Magenta (85%)


Yellow (84%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 37.3202, 20.1771, 3.9351 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 37.3202, 20.1771, 3.9351 by changing the saturation by 10% instead.


 37.3202, 20.1771,
3.9351


 37.3202, 20.1771,
3.9351


326.0262,
252.8723, 147.5013


 25.6303, 12.5238,
1.5898

 70.3756, 43.7139,
13.8598

 16.6785, 7.1015,
0.2835


 92.4719, 60.3662,
22.2763

 10.0994, 3.5257,
0.0000


 118.7676, 80.7871,
33.5536

 5.5277, 1.4119,
0.0000

 149.6282,
105.3608, 48.1103

 2.5980, 0.2255,
0.0000

 185.4190,
134.4717, 66.3648

 0.9449, 0.0000,
0.0000

 226.5054,

 0.0000, 0.0000,

168.5044, 88.7358

0.0000

273.2527,
207.8431, 115.6418

■ 37.3202, 20.1771,
3.9351

■ 37.3202, 20.1771,
3.9351

■ 36.5137, 19.0247,
2.2478

■ 38.8689, 22.4185,
7.0917


■ 36.2946, 18.7083,
1.7992


■ 41.2821, 25.9289,
11.9527


■ 44.6612, 30.8599,
18.7124


■ 49.0935, 37.3406,
27.5390

■ 54.6564, 45.4858,
38.5821

 61.4201, 55.3995,
51.9774

 69.4491, 67.1772,
67.8497

 78.8034, 80.9074,
86.3151

 89.5389, 96.6732,
107.4824

Harmonies

Analogous

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



42.3724, 20.1771, 17.8287



37.3202, 20.1771, 3.9351



27.5198, 20.1771, 0.6264

Triad

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



37.3202, 20.1771, 3.9351



7.2967, 20.1771, 6.9131



20.7673, 20.1771, 118.9842

Complementary

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



37.3202, 20.1771, 3.9351



47.6544, 69.4781, 91.8036

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.



12.7189, 20.1771, 105.7511



37.3202, 20.1771, 3.9351



6.5091, 20.1771, 26.7063

Square

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



37.3202, 20.1771, 3.9351



10.7874, 20.1771, 1.1941



8.1398, 20.1771, 65.0964



31.0728, 20.1771, 93.6122

Rectangle

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



37.3202, 20.1771, 3.9351



20.7146, 20.1771, 0.0698



8.1398, 20.1771, 65.0964



17.7188, 20.1771, 119.0228

Sweetspot

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



37.3206, 20.1784, 3.9354



69.4599, 62.4445, 58.3664



51.6649, 25.7833, 85.4721



14.2576, 12.4719, 11.2861



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.



37.3206, 20.1784, 3.9354



41.2604, 21.2682, 2.0374



45.3591, 36.3333, 6.3745



15.7822, 15.7626, 16.4092



19.6862, 10.1469, 0.9980



1.6410, 0.8454, 0.1002

Inverse Universe

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



37.3206, 20.1784, 3.9354



41.2604, 21.2682, 2.0374



26.3750, 26.2129, 86.8879



15.7822, 15.7626, 16.4092



19.6862, 10.1469, 0.9980



1.6410, 0.8454, 0.1002

Previews

White Background



This preview shows how the XYZ color 37.3202, 20.1771, 3.9351 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 37.3202, 20.1771, 3.9351 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 37.3202, 20.1771, 3.9351

Background



This preview shows how black text looks on a background with the XYZ color 37.3202, 20.1771, 3.9351.



This preview shows how white text looks on a background with the XYZ color 37.3202, 20.1771,

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

37.3202, 20.1771, 3.9351

Protanopia

18.6843, 20.4183, 7.5138

Deuteranopia

20.6652, 20.2605, 3.2734



Tritanopia

37.2721, 20.2083, 3.5263

Trichromacy



Original Color

37.3202, 20.1771, 3.9351

Protanomaly

22.2594, 17.2090, 5.6385

Deuteranomaly

24.4763, 17.9021, 3.0296

Tritanomaly

37.3027, 20.2206, 3.6872

Monochromacy



Original Color

37.3202, 20.1771, 3.9351

Achromatopsia

11.6093, 12.2139, 13.3009

Achromatomaly

16.5017, 12.1887, 8.5041

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.3202, 20.1771, 3.9351 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(241, 37, 40)` looks like.

```
.text, #text, p{  
    color:rgb(241, 37, 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(241, 37, 40) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(241, 37, 40) }
```

Border

The CSS property to change the border of an element to XYZ 37.3202, 20.1771, 3.9351 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(241, 37, 40) }
```


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

```
.border{ border-color:rgb(241, 37, 40) }
```

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

Here you see how a box with a 4 pixel `rgb(241, 37, 40)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(241, 37, 40); -webkit-box-  
shadow:4px 4px 4px 4px rgb(241, 37, 40);  
box-shadow:4px 4px 4px 4px rgb(241, 37,  
40) }
```

Background

The CSS property to change the background color of an element to XYZ 37.3202, 20.1771, 3.9351 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(241, 37, 40) }
```

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

```
.background{ background-color: rgb(241, 37,  
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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