

Converting Colors

XYZ(37.8879, 20.2093, 2.2893)

Have a look what the booklet for
XYZ(37.8879, 20.2093, 2.2893)
contains.

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Color

**XYZ(37.8451, 20.1907,
2.2833)**

Conversions

Conversions Part 1

Format	Color
Hex	F41E0D
RGB	244, 30, 13
RGB Percent	96%, 12%, 5%
CMY	0.0431, 0.8822, 0.9490
CMYK	0.00, 0.88, 0.95, 0.04
HSL	4°, 91%, 50%
HSV	4°, 95%, 96%
XYZ	37.8451, 20.1907, 2.2833
YIQ	92.0480, 133.0010, 40.0810

Conversions

Conversions Part 2

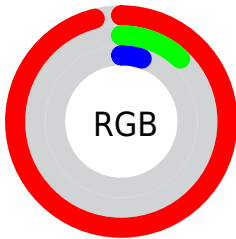
Format	Color
RYB	244, 31, 13
Decimal	15998477
CIELab	52.05, 74.51, 62.18
CIElCh	52, 97.048, 39.844
Yxy	20.1907, 0.6274, 0.3347
Android (android.graphics.Color)	4294188557 (0xFFFF41E0D)
YUV	92.0480, -38.9707, 133.2619
Hunter-Lab	44.9341, 71.7046, 28.4411

Details

The XYZ color **37.8451, 20.1907, 2.2833** is a dark color, and the websafe version is hex **FF3300**. The color can be described as dark saturated red. A complement of this color would be **43.9562, 61.5396, 95.1487**, and the grayscale version is **10.2526, 10.7865, 11.7465**.

A 20% lighter version of the original color is **47.0736, 31.3538, 8.7251**, and **18.1315, 9.3471, 0.8485** is the 20% darker color. If you saturate the color by 10%, you get **37.5239, 19.6651, 1.8180**, and if you desaturate by 10%, it is **38.9044, 21.8816, 3.9566**.

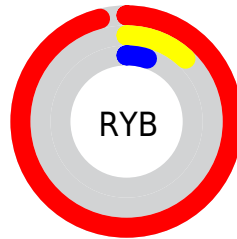
Distribution



Red (96%)

Green (12%)

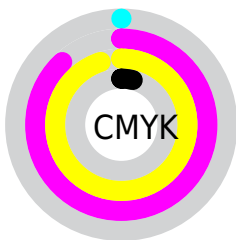
Blue (5%)



Red (96%)

Yellow (12%)

Blue (5%)

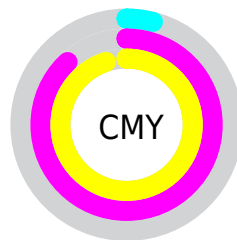


Cyan (0%)

Magenta (88%)

Yellow (95%)

Black (4%)



Cyan (4%)


Magenta (88%)


Yellow (95%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 37.8451, 20.1907, 2.2833 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 37.8451, 20.1907, 2.2833 by changing the saturation by 10% instead.


 37.8451, 20.1907,
2.2833


 37.8451, 20.1907,
2.2833


328.2474,
252.9456, 126.6314


 26.0392, 12.5337,
0.7218


 71.1761, 43.7367,
9.8018


 16.9858, 7.1083,
0.0000


 93.4318, 60.3945,
16.6156

 10.3196, 3.5299,
0.0000


 119.9016, 80.8214,
26.0240

 5.6753, 1.4142,
0.0000

 150.9506,
105.4017, 38.4453

 2.6874, 0.2272,
0.0000

 186.9444,
134.5199, 54.2982


 0.9907, 0.0000,
0.0000


 228.2482,


 0.0000, 0.0000,


168.5604, 74.0011


0.0000


 275.2274,
207.9075, 97.9727

 37.8451, 20.1907,
2.2833


 37.8451, 20.1907,
2.2833


 37.5239, 19.6651,
1.8180

 38.9044, 21.8816,
3.9566

 40.7037, 24.6422,
7.1399

 43.3477, 28.6122,
12.0846

 46.9240, 33.9094,
18.9960

 51.5089, 40.6378,
28.0510

■ 57.1710, 48.8906,
39.4071

■ 63.9728, 58.7535,
53.2067

■ 71.9721, 70.3056,
69.5809

■ 81.2226, 83.6209,
88.6513

Harmonies

Analogous

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



44.7407, 20.1907, 13.9145



37.8451, 20.1907, 2.2833



26.5308, 20.1907, 0.0000

Triad

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



37.8451, 20.1907, 2.2833



6.2881, 20.1907, 8.0354



22.6349, 20.1907, 131.4343

Complementary

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



37.8451, 20.1907, 2.2833



43.9562, 61.5396, 95.1487

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.



13.3470, 20.1907, 123.2509



37.8451, 20.1907, 2.2833



5.8763, 20.1907, 32.6917

Square

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



37.8451, 20.1907, 2.2833



9.3909, 20.1907, 1.0685



7.9664, 20.1907, 78.7295



34.1643, 20.1907, 96.0986

Rectangle

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



37.8451, 20.1907, 2.2833



19.2426, 20.1907, 0.0000



7.9664, 20.1907, 78.7295



19.1388, 20.1907, 134.0971

Sweetspot

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



37.8455, 20.1920, 2.2836



68.0180, 61.0403, 53.3249



51.5387, 25.1556, 75.9747



13.8694, 12.0654, 10.0162



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.



37.8455, 20.1920, 2.2836



41.4695, 21.7189, 2.0065



47.3386, 39.1782, 5.4479



16.5972, 16.6786, 17.1421



20.4395, 10.7645, 1.0005



1.8299, 1.0130, 0.0991

Inverse Universe

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



43.9562, 61.5396, 95.1487



48.1039, 67.3279, 105.0680



22.4113, 18.4498, 87.9671



16.8860, 18.5364, 21.2305



23.7130, 33.2199, 51.7003



2.1148, 2.9810, 4.5542

Previews

White Background



This preview shows how the XYZ color 37.8451, 20.1907, 2.2833 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 37.8451, 20.1907, 2.2833 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 37.8451, 20.1907, 2.2833

Background



This preview shows how black text looks on a background with the XYZ color 37.8451, 20.1907, 2.2833.



This preview shows how white text looks on a background with the XYZ color 37.8451, 20.1907,

2.2833.

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

37.8451, 20.1907, 2.2833

Protanopia

18.4522, 20.3640, 4.5482

Deuteranopia

20.5015, 20.3618, 2.8497



Tritanopia

37.9022, 20.1737, 2.7069

Trichromacy



Original Color

37.8451, 20.1907, 2.2833

Protanomaly

22.2141, 16.8564, 3.1197

Deuteranomaly

24.4219, 17.6462, 2.2625

Tritanomaly

37.8651, 20.1588, 2.5114

Monochromacy



Original Color

37.8451, 20.1907, 2.2833

Achromatopsia

10.1725, 10.7023, 11.6548

Achromatomaly

15.0579, 10.8182, 5.9971

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.8451, 20.1907, 2.2833 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(244, 30, 13)` looks like.

```
.text, #text, p{  
    color:rgb(244, 30, 13)  
}
```

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(244, 30, 13) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(244, 30, 13) }
```

Border

The CSS property to change the border of an element to XYZ 37.8451, 20.1907, 2.2833 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(244, 30, 13) }
```


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

```
.border{ border-color:rgb(244, 30, 13) }
```

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

Here you see how a box with a 4 pixel rgb(244, 30, 13) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(244, 30, 13); -webkit-box-  
shadow:4px 4px 4px 4px rgb(244, 30, 13);  
box-shadow:4px 4px 4px 4px rgb(244, 30,  
13) }
```

Background

The CSS property to change the background color of an element to XYZ 37.8451, 20.1907, 2.2833 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(244, 30, 13) }
```

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

```
.background{ background-color: rgb(244, 30,  
13) }
```

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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