

Converting Colors

XYZ(37.4772, 20.4680, 1.9773)

Have a look what the booklet for
XYZ(37.4772, 20.4680, 1.9773)
contains.

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Color

**XYZ(37.3767, 20.3948,
1.9666)**

Conversions

Conversions Part 1

Format	Color
Hex	F22800
RGB	242, 40, 0
RGB Percent	95%, 16%, 0%
CMY	0.0510, 0.8431, 1.0000
CMYK	0.00, 0.83, 1.00, 0.05
HSL	10°, 100%, 47%
HSV	10°, 100%, 95%
XYZ	37.3767, 20.3948, 1.9666
YIQ	95.8380, 133.2320, 30.3840

Conversions

Conversions Part 2

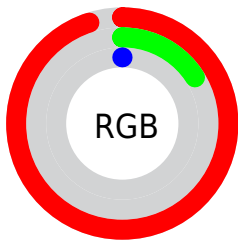
Format	Color
R _Y B	242, 48, 0
Decimal	15869952
CIE Lab	52.28, 72.00, 65.25
CIE LCh	52, 97.171, 42.183
Yxy	20.3948, 0.6257, 0.3414
Android (android.graphics.Color)	4294060032 (0xFFFF22800)
YUV	95.8380, -47.2481, 128.1841
Hunter-Lab	45.1606, 68.7026, 29.0305

Details

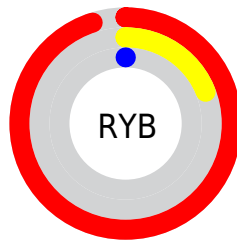
The XYZ color **37.3767, 20.3948, 1.9666** is a dark color, and the websafe version is hex **FF3300**. The color can be described as dark saturated red. A complement of this color would be **37.1425, 48.6420, 91.4349**, and the grayscale version is **11.1696, 11.7513, 12.7972**.

A 20% lighter version of the original color is **47.2871, 32.0912, 7.8396**, and **17.6792, 9.1140, 0.8274** is the 20% darker color. If you saturate the color by 10%, you get **37.3771, 20.3960, 1.9668**, and if you desaturate by 10%, it is **38.4119, 22.1986, 3.1354**.

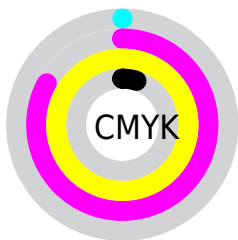
Distribution



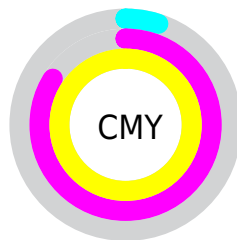
- Red (95%)
- Green (16%)
- Blue (0%)



- Red (95%)
- Yellow (19%)
- Blue (0%)



- Cyan (0%)
- Magenta (83%)
- Yellow (100%)
- Black (5%)





- Cyan (5%)
- Magenta (84%)
- Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the XYZ color 37.3767, 20.3948, 1.9666 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 37.3767, 20.3948, 1.9666 by changing the saturation by 10% instead.


 37.3767, 20.3948,
1.9666


 37.3767, 20.3948,
1.9666


 326.2658,
254.0445, 121.8560


 25.6743, 12.6824,
0.5346

 70.4618, 44.0781,
8.9493

 16.7115, 7.2102,
0.0000


 92.5753, 60.8178,
15.3977

 10.1231, 3.5939,
0.0000


 118.8898, 81.3353,
24.3756

 5.5435, 1.4491,
0.0000

 149.7708,
106.0150, 36.3015

 2.6076, 0.2525,
0.0000

 185.5835,
135.2414, 51.5940

 0.9498, 0.0000,
0.0000


 226.6933,


 0.0000, 0.0000,


169.3989, 70.6715


0.0000


 273.4657,
208.8717, 93.9527


 37.3767, 20.3948,
1.9666


 37.3767, 20.3948,
1.9666


 37.3771, 20.3960,
1.9668

 38.4119, 22.1986,
3.1354

 40.0587, 24.8924,
5.5333

 42.4234, 28.5856,
9.5158

 45.5806, 33.3657,
15.2985

 49.5953, 39.3105,
23.0631

■ 54.5253, 46.4903,
32.9690

■ 60.4234, 54.9700,
45.1592

■ 67.3382, 64.8098,
59.7645

■ 75.3152, 76.0661,
76.9055

Harmonies

Analogous

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



44.8609, 20.3948, 12.5060



37.3767, 20.3948, 1.9666



25.8729, 20.3948, 0.0000

Triad

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



37.3767, 20.3948, 1.9666



6.2490, 20.3948, 9.2730



23.7255, 20.3948, 130.9851

Complementary

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



37.3767, 20.3948, 1.9666



37.1425, 48.6420, 91.4349

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.



14.0833, 20.3948, 126.4714



37.3767, 20.3948, 1.9666



6.0221, 20.3948, 35.9498

Square

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



37.3767, 20.3948, 1.9666



9.1388, 20.3948, 1.3008



8.3541, 20.3948, 83.3783



35.3474, 20.3948, 92.9553

Rectangle

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



37.3767, 20.3948, 1.9666



18.6624, 20.3948, 0.0000



8.3541, 20.3948, 83.3783



20.1253, 20.3948, 134.9369

Sweetspot

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



37.3771, 20.3961, 1.9669



67.9899, 61.8220, 50.7326



47.7217, 23.3187, 60.1870



13.9231, 12.3302, 9.5492



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.



37.3771, 20.3961, 1.9669



42.0740, 22.9280, 2.2080



48.7254, 43.0926, 5.7496



15.9840, 16.1811, 16.4305



20.1450, 11.0880, 1.0784



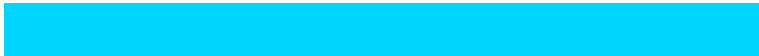
1.7372, 1.0450, 0.1102

Inverse Universe

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



37.1425, 48.6420, 91.4349



41.8015, 54.7230, 102.9672



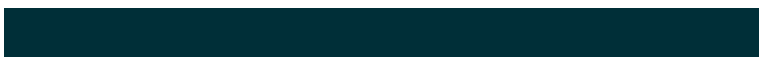
19.2519, 12.8607, 85.4713



16.0119, 17.4579, 20.2474



20.0400, 26.3042, 49.1489



1.7257, 2.3054, 4.1082

Previews

White Background



This preview shows how the XYZ color 37.3767, 20.3948, 1.9666 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 37.3767, 20.3948, 1.9666 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 37.3767, 20.3948, 1.9666

Background



This preview shows how black text looks on a background with the XYZ color 37.3767, 20.3948, 1.9666.



This preview shows how white text looks on a background with the XYZ color 37.3767, 20.3948,

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

37.3767, 20.3948, 1.9666

Protanopia

18.6797, 20.6782, 4.2351

Deuteranopia

20.6974, 20.4628, 2.8588



Tritanopia

37.6144, 20.3848, 3.5423

Trichromacy



Original Color

37.3767, 20.3948, 1.9666

Protanomaly

22.5698, 17.6964, 2.8423

Deuteranomaly

24.6424, 18.1311, 2.2009

Tritanomaly

37.4883, 20.3862, 2.7181

Monochromacy



Original Color

37.3767, 20.3948, 1.9666

Achromatopsia

11.1181, 11.6971, 12.7381

Achromatomaly

15.8212, 11.8954, 5.8770

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.3767, 20.3948, 1.9666 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, 40, 0)` looks like.

```
.text, #text, p{  
    color:rgb(242, 40, 0)  
}
```

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, 40, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 40, 0) }
```

Border

The CSS property to change the border of an element to XYZ 37.3767, 20.3948, 1.9666 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, 40, 0) }
```


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

```
.border{ border-color:rgb(242, 40, 0) }
```

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

Here you see how a box with a 4 pixel rgb(242, 40, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 40, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 40, 0);  
box-shadow:4px 4px 4px 4px rgb(242, 40, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 37.3767, 20.3948, 1.9666 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 40, 0) }
```

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

```
.background{ background-color: rgb(242, 40,  
0) }
```

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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