

Converting Colors

XYZ(37.3463, 19.2332, 2.6281)

Have a look what the booklet for
XYZ(37.3463, 19.2332, 2.6281)
contains.

XYZ(37.4731, 19.2990, 2.6142)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(37.4731, 19.2990,
2.6142)**

Conversions

Conversions Part 1

Format	Color
Hex	F40018
RGB	244, 0, 24
RGB Percent	96%, 0%, 9%
CMY	0.0431, 0.9998, 0.9059
CMYK	0.00, 1.00, 0.90, 0.04
HSL	354°, 100%, 48%
HSV	354°, 100%, 96%
XYZ	37.4731, 19.2990, 2.6142
YIQ	75.6920, 137.7200, 59.1920

Conversions

Conversions Part 2

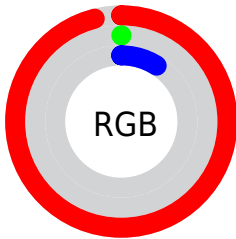
Format	Color
RYB	244, 0, 24
Decimal	15990808
CIELab	51.04, 77.69, 57.88
CIELCh	51, 96.879, 36.688
Yxy	19.2990, 0.6310, 0.3250
Android (android.graphics.Color)	4294180888 (0xFFFF40018)
YUV	75.6920, -25.4842, 147.6061
Hunter-Lab	43.9306, 75.3830, 27.2232

Details

The XYZ color **37.4731, 19.2990, 2.6142** is a dark color, and the websafe version is hex **FF3333**. The color can be described as dark saturated red. A complement of this color would be **45.2774, 69.8718, 78.8518**, and the grayscale version is **6.8468, 7.2033, 7.8444**.

A 20% lighter version of the original color is **46.4453, 29.7464, 9.5970**, and **18.1315, 9.3471, 0.8485** is the 20% darker color. If you saturate the color by 10%, you get **37.4723, 19.2987, 2.6112**, and if you desaturate by 10%, it is **38.1375, 20.1027, 4.4556**.

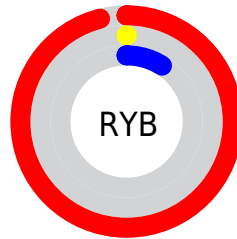
Distribution



Red (96%)

Green (0%)

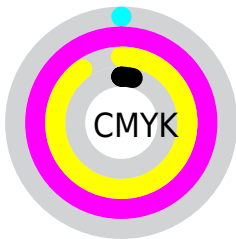
Blue (9%)



Red (96%)

Yellow (0%)

Blue (9%)

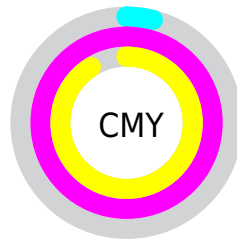


Cyan (0%)

Magenta (100%)

Yellow (90%)

Black (4%)



Cyan (4%)


Magenta (100%)


Yellow (91%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 37.4731, 19.2990, 2.6142 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 37.4731, 19.2990, 2.6142 by changing the saturation by 10% instead.


 37.4731, 19.2990,
2.6142


 37.4731, 19.2990,
2.6142


326.6743,
248.0945, 131.2842


 25.7494, 11.8865,
0.8998


 70.6089, 42.2387,
10.6606


 16.7679, 6.6665,
0.0000


 92.7517, 58.5348,
17.8311

 10.1634, 3.2544,
0.0000


 119.0983, 78.5608,
27.6579

 5.5706, 1.2659,
0.0000

 150.0139,
102.7012, 40.5594

 2.6239, 0.1146,
0.0000

 185.8640,
131.3404, 56.9542


 0.9582, 0.0000,
0.0000


 227.0138,


 0.0000, 0.0000,


164.8627, 77.2610


0.0000


 273.8288,
203.6526, 101.8981


 37.4731, 19.2990,
2.6142


 37.4731, 19.2990,
2.6142


 37.4723, 19.2987,
2.6112

 38.1375, 20.1027,
4.4556

 39.4442, 21.8355,
7.6065

 41.5539, 24.7709,
12.2678

 44.5699, 29.0754,
18.5988

 48.5800, 34.8890,
26.7383

■ 53.6616, 42.3346,
36.8104

■ 59.8844, 51.5222,
48.9283

■ 67.3120, 62.5524,
63.1966

■ 76.0037, 75.5181,
79.7125

Harmonies

Analogous

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



43.4476, 19.2990, 15.4407



37.4731, 19.2990, 2.6142



26.6564, 19.2990, 0.0000

Triad

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



37.4731, 19.2990, 2.6142



6.0807, 19.2990, 6.2717



20.5768, 19.2990, 129.3098

Complementary

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



37.4731, 19.2990, 2.6142



45.2774, 69.8718, 78.8518

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.



11.9675, 19.2990, 116.4804



37.4731, 19.2990, 2.6142



5.4431, 19.2990, 27.7874

Square

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



37.4731, 19.2990, 2.6142



9.3805, 19.2990, 0.7204



7.1691, 19.2990, 71.0324



31.7220, 19.2990, 98.2496

Rectangle

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



37.4731, 19.2990, 2.6142



19.4299, 19.2990, 0.0000



7.1691, 19.2990, 71.0324



17.2976, 19.2990, 130.2229

Sweetspot

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



37.4735, 19.3002, 2.6145



66.1238, 56.8456, 53.9458



45.7256, 21.6871, 87.3634



13.4982, 11.1985, 10.2763



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.



37.4735, 19.3002, 2.6145



41.4157, 21.3303, 2.8554



41.6420, 27.9006, 3.1923



16.5652, 16.5089, 17.4569



20.3976, 10.5025, 1.5359



1.8145, 0.9318, 0.2495

Inverse Universe

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



37.4735, 19.3002, 2.6145



41.4157, 21.3303, 2.8554



26.6742, 27.2208, 89.4356



16.5652, 16.5089, 17.4569



20.3976, 10.5025, 1.5359



1.8145, 0.9318, 0.2495

Previews

White Background



This preview shows how the XYZ color 37.4731, 19.2990, 2.6142 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 37.4731, 19.2990, 2.6142 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 37.4731, 19.2990, 2.6142

Background



This preview shows how black text looks on a background with the XYZ color 37.4731, 19.2990, 2.6142.



This preview shows how white text looks on a background with the XYZ color 37.4731, 19.2990,

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

37.4731, 19.2990, 2.6142

Protanopia

18.0378, 19.7587, 5.3457

Deuteranopia

19.8789, 19.6911, 2.7530



Tritanopia

36.9049, 19.4511, 1.8093

Trichromacy



Original Color

37.4731, 19.2990, 2.6142

Protanomaly

21.1898, 14.9295, 3.5151

Deuteranomaly

22.9916, 15.4821, 2.0350

Tritanomaly

37.1685, 19.3885, 2.0418

Monochromacy



Original Color

37.4731, 19.2990, 2.6142

Achromatopsia

6.8694, 7.2272, 7.8704

Achromatomaly

12.1120, 7.7277, 4.7241

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.4731, 19.2990, 2.6142 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, 0, 24)` looks like.

```
.text, #text, p{  
    color:rgb(244, 0, 24)  
}
```

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, 0, 24) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(244, 0, 24) }
```

Border

The CSS property to change the border of an element to XYZ 37.4731, 19.2990, 2.6142 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, 0, 24) }
```


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

```
.border{ border-color:rgb(244, 0, 24) }
```

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

Here you see how a box with a 4 pixel rgb(244, 0, 24) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(244, 0, 24); -webkit-box-  
shadow:4px 4px 4px 4px rgb(244, 0, 24);  
box-shadow:4px 4px 4px 4px rgb(244, 0, 24)  
}
```

Background

The CSS property to change the background color of an element to XYZ 37.4731, 19.2990, 2.6142 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(244, 0, 24) }
```

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

```
.background{ background-color: rgb(244, 0,  
24) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor