

Converting Colors

XYZ(37.3321, 19.1728, 5.0261)

Have a look what the booklet for
XYZ(37.3321, 19.1728, 5.0261)
contains.

XYZ(37.2378, 19.1252, 4.9777)	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(37.2378, 19.1252,
4.9777)**

Conversions

Conversions Part 1

Format	Color
Hex	F20034
RGB	242, 0, 52
RGB Percent	95%, 0%, 20%
CMY	0.0510, 0.9998, 0.7961
CMYK	0.00, 1.00, 0.79, 0.05
HSL	347°, 100%, 47%
HSV	347°, 100%, 95%
XYZ	37.2378, 19.1252, 4.9777
YIQ	78.2860, 127.5400, 67.4760

Conversions

Conversions Part 2

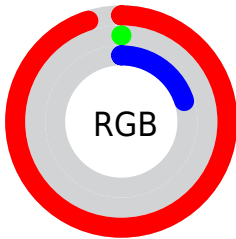
Format	Color
R_{YB}	242, 0, 52
Decimal	15859764
CIE _{Lab}	50.83, 77.79, 43.72
CIE _{LCh}	51, 89.231, 29.336
Yxy	19.1252, 0.6071, 0.3118
Android (android.graphics.Color)	4294049844 (0xFFFF20034)
YUV	78.2860, -12.9590, 143.5772
Hunter-Lab	43.7324, 75.4598, 23.8642

Details

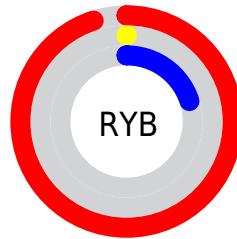
The XYZ color **37.2378, 19.1252, 4.9777** is a dark color, and the websafe version is hex **FF0033**. The color can be described as dark saturated red. A complement of this color would be **41.0537, 67.2246, 59.5627**, and the grayscale version is **7.3091, 7.6897, 8.3741**.

A 20% lighter version of the original color is **47.4948, 30.1663, 15.1238**, and **17.9538, 9.2498, 1.0976** is the 20% darker color. If you saturate the color by 10%, you get **37.2364, 19.1246, 4.9718**, and if you desaturate by 10%, it is **38.0873, 19.9963, 7.8144**.

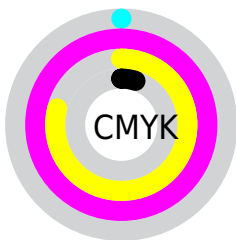
Distribution



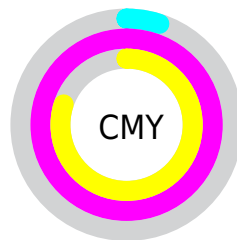
- Red (95%)
- Green (0%)
- Blue (20%)



- Red (95%)
- Yellow (0%)
- Blue (20%)



- Cyan (0%)
- Magenta (100%)
- Yellow (79%)
- Black (5%)





- Cyan (5%)
- Magenta (100%)
- Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 37.2378, 19.1252, 4.9777 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 37.2378, 19.1252, 4.9777 by changing the saturation by 10% instead.


 37.2378, 19.1252,
4.9777


 37.2378, 19.1252,
4.9777


325.6766,
247.1391, 158.5411


 25.5662, 11.7608,
2.1757


 70.2498, 41.9456,
16.2083

 16.6304, 6.5810,
0.6603


 92.3210, 58.1703,
25.4740


 10.0650, 3.2015,
0.0000


 118.5893, 78.1172,
37.7313

 5.5046, 1.2378,
0.0000

 149.4202,
102.1708, 53.3988

 2.5841, 0.0923,
0.0000

 185.1790,
130.7153, 72.8949

 0.9378, 0.0000,
0.0000

 226.2311,

 0.0000, 0.0000,

164.1353, 96.6384

0.0000

272.9419,
202.8151, 125.0476

■ 37.2378, 19.1252,
4.9777

■ 37.2378, 19.1252,
4.9777

■ 37.2364, 19.1246,
4.9718

■ 38.0873, 19.9963,
7.8144

■ 39.5396, 21.7675,
11.7927

■ 41.7393, 24.7025,
17.0404

■ 44.7773, 28.9602,
23.6588

■ 48.7311, 34.6745,
31.7384

■ 53.6689, 41.9626,
41.3615

■ 59.6525, 50.9298,
52.6044

■ 66.7383, 61.6722,
65.5378

■ 74.9787, 74.2788,
80.2286

Harmonies

Analogous

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



40.8402, 19.1252, 21.3899



37.2378, 19.1252, 4.9777



28.2254, 19.1252, 0.7613

Triad

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



37.2378, 19.1252, 4.9777



7.1756, 19.1252, 4.6129



17.9828, 19.1252, 116.3221

Complementary

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



37.2378, 19.1252, 4.9777



41.0537, 67.2246, 59.5627

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.



10.8523, 19.1252, 96.3084



37.2378, 19.1252, 4.9777



5.9787, 19.1252, 20.2684

Square

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



37.2378, 19.1252, 4.9777



11.0945, 19.1252, 0.6890



7.0707, 19.1252, 54.6543



27.7731, 19.1252, 97.8733

Rectangle

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



37.2378, 19.1252, 4.9777



21.4864, 19.1252, 0.0000



7.0707, 19.1252, 54.6543



15.2278, 19.1252, 113.7216

Sweetspot

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



37.2382, 19.1264, 4.9780



67.1016, 57.2368, 59.0950



37.1580, 17.3052, 85.3856



13.7222, 11.2881, 11.4560



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.



37.2382, 19.1264, 4.9780



41.9234, 21.5334, 5.5288



38.7224, 23.0859, 2.4169



15.9117, 15.8144, 17.0910



20.0446, 10.2903, 2.8854



1.7031, 0.8703, 0.4274

Inverse Universe

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



37.2382, 19.1264, 4.9780



41.9234, 21.5334, 5.5288



31.0578, 36.4715, 89.4066



15.9117, 15.8144, 17.0910



20.0446, 10.2903, 2.8854



1.7031, 0.8703, 0.4274

Previews

White Background



This preview shows how the XYZ color 37.2378, 19.1252, 4.9777 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 37.2378, 19.1252, 4.9777 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 37.2378, 19.1252, 4.9777

Background



This preview shows how black text looks on a background with the XYZ color 37.2378, 19.1252, 4.9777.



This preview shows how white text looks on a background with the XYZ color 37.2378, 19.1252,

4.9777.

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

37.2378, 19.1252, 4.9777

Protanopia

18.2038, 19.7317, 10.4386

Deuteranopia

19.8903, 19.4882, 4.3823



Tritanopia

36.6009, 19.2899, 1.9953

Trichromacy



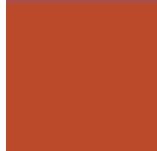
Original Color

37.2378, 19.1252, 4.9777



Protanomaly

21.0635, 14.7752, 7.5361



Deuteranomaly

23.1164, 15.5038, 3.9647



Tritanomaly

36.5873, 19.0767, 2.5644

Monochromacy



Original Color

37.2378, 19.1252, 4.9777



Achromatopsia

7.2414, 7.6185, 8.2966



Achromatomaly

12.6960, 8.1141, 6.5273

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.2378, 19.1252, 4.9777 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, 0, 52)` looks like.

```
.text, #text, p{  
    color:rgb(242, 0, 52)  
}
```

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, 0, 52) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 0, 52) }
```

Border

The CSS property to change the border of an element to XYZ 37.2378, 19.1252, 4.9777 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, 0, 52) }
```


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

```
.border{ border-color:rgb(242, 0, 52) }
```

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

Here you see how a box with a 4 pixel `rgb(242, 0, 52)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 0, 52); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 0, 52);  
box-shadow:4px 4px 4px 4px rgb(242, 0, 52)  
}
```

Background

The CSS property to change the background color of an element to XYZ 37.2378, 19.1252, 4.9777 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 0, 52) }
```

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

```
.background{ background-color: rgb(242, 0,  
52) }
```

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