

Converting Colors

XYZ(37.2473, 22.2260, 3.0415)

Have a look what the booklet for
XYZ(37.2473, 22.2260, 3.0415)
contains.

XYZ(37.1275, 22.1929, 3.0363)	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(37.1275, 22.1929,
3.0363)**

Conversions

Conversions Part 1

Format	Color
Hex	ED4415
RGB	237, 68, 21
RGB Percent	93%, 27%, 8%
CMY	0.0706, 0.7333, 0.9176
CMYK	0.00, 0.71, 0.91, 0.07
HSL	13°, 86%, 51%
HSV	13°, 91%, 93%
XYZ	37.1275, 22.1929, 3.0363
YIQ	113.1730, 115.8110, 21.2110

Conversions

Conversions Part 2

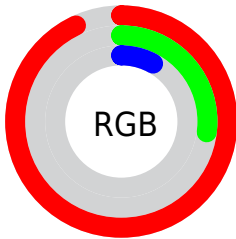
Format	Color
R_{YB}	237, 81, 21
Decimal	15549461
CIE _{Lab}	54.23, 62.78, 60.44
CIE _{LCh}	54, 87.146, 43.911
Yxy	22.1929, 0.5954, 0.3559
Android (android.graphics.Color)	4293739541 (0xFFED4415)
YUV	113.1730, -45.4413, 108.5963
Hunter-Lab	47.1093, 58.2369, 29.1552

Details

The XYZ color **37.1275, 22.1929, 3.0363** is a dark color, and the websafe version is hex **CC3300**. The color can be described as dark washed red. A complement of this color would be **34.0063, 43.0960, 86.6461**, and the grayscale version is **15.8556, 16.6813, 18.1660**.

A 20% lighter version of the original color is **49.9035, 36.6627, 10.7497**, and **17.0133, 8.7707, 0.7962** is the 20% darker color. If you saturate the color by 10%, you get **36.1341, 20.4231, 2.0376**, and if you desaturate by 10%, it is **38.7649, 24.9359, 5.2226**.

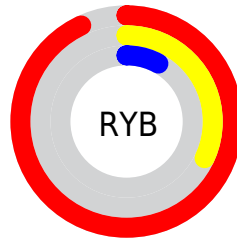
Distribution



Red (93%)

Green (27%)

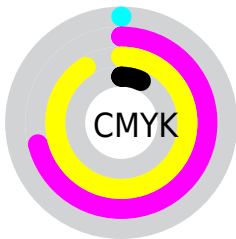
Blue (8%)



Red (93%)

Yellow (32%)

Blue (8%)

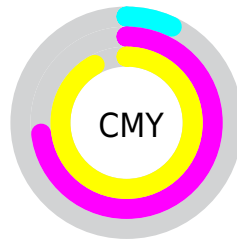


Cyan (0%)

Magenta (71%)

Yellow (91%)

Black (7%)



Cyan (7%)


Magenta (73%)


Yellow (92%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 37.1275, 22.1929, 3.0363 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 37.1275, 22.1929, 3.0363 by changing the saturation by 10% instead.


 37.1275, 22.1929,
3.0363


 37.1275, 22.1929,
3.0363


325.2081,
263.5520, 136.8216


 25.4804, 13.9987,
1.1132


 70.0814, 47.0646,
11.7179


 16.5659, 8.1198,
0.0000


 92.1189, 64.5109,
19.3134

 10.0189, 4.1717,
0.0000


 118.3505, 85.8101,
29.6369

 5.4738, 1.7701,
0.0000

 149.1416,
111.3464, 43.1068

 2.5655, 0.4684,
0.0000

 184.8575,
141.5044, 60.1417


 0.9284, 0.0000,
0.0000


 225.8637,


 0.0000, 0.0000,


176.6684, 81.1601


0.0000


 272.5255,
217.2228, 106.5805


 37.1275, 22.1929,
3.0363


 37.1275, 22.1929,
3.0363


 36.1341, 20.4231,
2.0376

 38.7649, 24.9359,
5.2226

 41.0418, 28.5493,
8.8808

 44.0233, 33.1035,
14.2179

 47.7653, 38.6602,
21.4073

 52.3179, 45.2756,
30.6004

■ 57.7266, 53.0017,
41.9330

■ 64.0334, 61.8870,
55.5290

■ 71.2775, 71.9771,
71.5027

■ 79.4958, 83.3151,
89.9607

Harmonies

Analogous

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



44.1778, 22.1929, 13.6664



37.1275, 22.1929, 3.0363



26.5557, 22.1929, 0.6830

Triad

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



37.1275, 22.1929, 3.0363



7.9853, 22.1929, 12.3978



25.7834, 22.1929, 118.4218

Complementary

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



37.1275, 22.1929, 3.0363



34.0063, 43.0960, 86.6461

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.



16.4372, 22.1929, 116.9470



37.1275, 22.1929, 3.0363



7.8918, 22.1929, 39.0026

Square

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



37.1275, 22.1929, 3.0363



10.8140, 22.1929, 2.6979



10.5034, 22.1929, 81.4130



36.4182, 22.1929, 84.6054

Rectangle

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



37.1275, 22.1929, 3.0363



19.8754, 22.1929, 0.4586



10.5034, 22.1929, 81.4130



22.3608, 22.1929, 122.5328

Sweetspot

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



37.1280, 22.1942, 3.0366



71.0369, 66.6477, 55.6583



44.5091, 22.2672, 50.7819



14.6798, 13.5230, 10.7892



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.



37.1280, 22.1942, 3.0366



42.6300, 24.0400, 2.3933



50.5463, 49.0308, 7.5094



15.3312, 15.5855, 15.7190



19.8066, 11.3075, 1.1386



1.6246, 1.0265, 0.1125

Inverse Universe

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



34.0063, 43.0960, 86.6461



38.5890, 48.2979, 101.8963



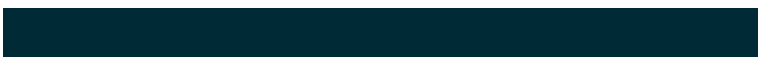
18.6277, 12.3388, 81.5199



15.2234, 16.5332, 19.3111



17.9660, 22.5790, 47.1542



1.4796, 1.9106, 3.7257

Previews

White Background



This preview shows how the XYZ color 37.1275, 22.1929, 3.0363 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 37.1275, 22.1929, 3.0363 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 37.1275, 22.1929, 3.0363

Background



This preview shows how black text looks on a background with the XYZ color 37.1275, 22.1929, 3.0363.



This preview shows how white text looks on a background with the XYZ color 37.1275, 22.1929,

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

37.1275, 22.1929, 3.0363

Protanopia

20.1551, 22.2036, 4.8925

Deuteranopia

22.5175, 22.3078, 3.1190



Tritanopia

38.0767, 22.2373, 7.4396

Trichromacy



Original Color

37.1275, 22.1929, 3.0363

Protanomaly

24.0954, 20.1980, 3.9250

Deuteranomaly

26.4800, 20.9945, 2.8864

Tritanomaly

37.7259, 22.1880, 5.3120

Monochromacy



Original Color

37.1275, 22.1929, 3.0363

Achromatopsia

15.6958, 16.5132, 17.9829

Achromatomaly

19.8232, 16.3977, 9.7097

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.1275, 22.1929, 3.0363 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(237, 68, 21)` looks like.

```
.text, #text, p{  
    color:rgb(237, 68, 21)  
}
```

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(237, 68, 21) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 68, 21) }
```

Border

The CSS property to change the border of an element to XYZ 37.1275, 22.1929, 3.0363 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(237, 68, 21) }
```


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

```
.border{ border-color:rgb(237, 68, 21) }
```

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

Here you see how a box with a 4 pixel rgb(237, 68, 21) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 68, 21); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 68, 21);  
box-shadow:4px 4px 4px 4px rgb(237, 68,  
21) }
```

Background

The CSS property to change the background color of an element to XYZ 37.1275, 22.1929, 3.0363 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 68, 21) }
```

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

```
.background{ background-color: rgb(237, 68,  
21) }
```

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