

Converting Colors

XYZ(37.3635, 21.4008, 7.0120)

Have a look what the booklet for
XYZ(37.3635, 21.4008, 7.0120)
contains.

XYZ(37.3635, 21.4008, 7.0120)	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(37.3635, 21.4008,
7.0120)**

Conversions

Conversions Part 1

Format	Color
Hex	ED3A40
RGB	237, 58, 64
RGB Percent	93%, 23%, 25%
CMY	0.0706, 0.7725, 0.7490
CMYK	0.00, 0.76, 0.73, 0.07
HSL	358°, 83%, 58%
HSV	358°, 76%, 93%
XYZ	37.3635, 21.4008, 7.0120
YIQ	112.2050, 104.7580, 39.8140

Conversions

Conversions Part 2

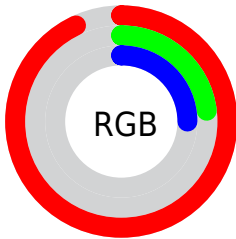
Format	Color
RYB	237, 58, 64
Decimal	15546944
CIELab	53.39, 67.20, 39.46
CIElCh	53, 77.930, 30.424
Yxy	21.4008, 0.5680, 0.3254
Android (android.graphics.Color)	4293737024 (0xFFED3A40)
YUV	112.2050, -23.7651, 109.4452
Hunter-Lab	46.2610, 63.2119, 23.3958

Details

The XYZ color **37.3635, 21.4008, 7.0120** is a dark color, and the websafe version is hex **CC3333**. The color can be described as dark washed red. A complement of this color would be **46.4553, 67.2381, 86.1403**, and the grayscale version is **15.5091, 16.3168, 17.7690**.

A 20% lighter version of the original color is **50.7615, 35.6235, 19.5298**, and **17.3689, 8.9384, 1.5193** is the 20% darker color. If you saturate the color by 10%, you get **35.9077, 19.3272, 3.9444**, and if you desaturate by 10%, it is **39.6371, 24.6825, 11.6722**.

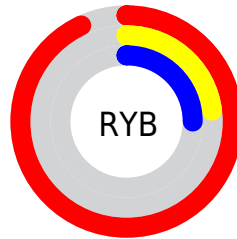
Distribution



Red (93%)

Green (23%)

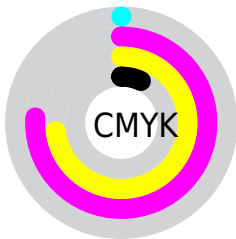
Blue (25%)



Red (93%)

Yellow (23%)

Blue (25%)

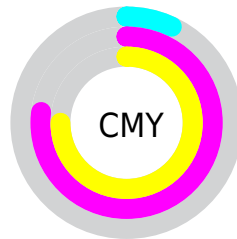


Cyan (0%)

Magenta (76%)

Yellow (73%)

Black (7%)



Cyan (7%)


Magenta (77%)


Yellow (75%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 37.3635, 21.4008, 7.0120 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 37.3635, 21.4008, 7.0120 by changing the saturation by 10% instead.


 37.3635, 21.4008,
7.0120


 37.3635, 21.4008,
7.0120


326.2099,
259.4009, 177.3981


 25.6640, 13.4173,
3.3910

 70.4417, 45.7536,
20.5106

 16.7038, 7.7165,
1.2976


 92.5511, 62.8917,
31.2254

 10.1175, 3.9141,
0.0598


 118.8613, 83.8502,
45.1418

 5.5398, 1.6256,
0.0000

 149.7375,
109.0133, 62.6785

 2.6053, 0.3748,
0.0000

 185.5451,
138.7656, 84.2539

 0.9487, 0.0000,
0.0000

 226.6494,

 0.0000, 0.0000,

173.4913, 110.2866

0.0000

273.4159,
213.5750, 141.1952

■ 37.3635, 21.4008,
7.0120

■ 37.3635, 21.4008,
7.0120

■ 35.9077, 19.3272,
3.9444

■ 39.6371, 24.6825,
11.6722

■ 35.1508, 18.2793,
2.2559


■ 42.8230, 29.3138,
18.1003


■ 34.9682, 18.0218,
1.8632


■ 47.0045, 35.4207,
26.4493


■ 52.2550, 43.1137,
36.8559

■ 58.6409, 52.4928,
49.4440

 66.2235, 63.6499,
64.3279

 75.0594, 76.6701,
81.6137

 85.2019, 91.6331,
101.4012

 88.7348, 96.7444,
108.6045

Harmonies

Analogous

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



40.7440, 21.4008, 22.9662



37.3635, 21.4008, 7.0120



29.2416, 21.4008, 1.8976

Triad

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



37.3635, 21.4008, 7.0120



9.4091, 21.4008, 7.2776



20.4588, 21.4008, 104.9435

Complementary

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



37.3635, 21.4008, 7.0120



46.4553, 67.2381, 86.1403

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.



13.4587, 21.4008, 89.5825



37.3635, 21.4008, 7.0120



8.2237, 21.4008, 23.6407

Square

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



37.3635, 21.4008, 7.0120



13.3045, 21.4008, 1.9617



9.4797, 21.4008, 54.8063



29.5022, 21.4008, 88.7575

Rectangle

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



37.3635, 21.4008, 7.0120



23.1022, 21.4008, 1.0660



9.4797, 21.4008, 54.8063



17.8087, 21.4008, 103.2260

Sweetspot

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



37.3640, 21.4021, 7.0123



71.2880, 64.9896, 62.4017



48.8105, 25.6441, 82.4973



14.6124, 12.9604, 12.0860



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.



37.3640, 21.4021, 7.0123



41.7889, 21.9682, 3.3143



44.8575, 36.6473, 8.7143



15.0859, 15.0622, 15.7376



19.1010, 9.8431, 1.0671



1.5071, 0.7758, 0.1217

Inverse Universe

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



37.3640, 21.4021, 7.0123



41.7889, 21.9682, 3.3143



28.9968, 30.9446, 84.5647



15.0859, 15.0622, 15.7376



19.1010, 9.8431, 1.0671



1.5071, 0.7758, 0.1217

Previews

White Background



This preview shows how the XYZ color 37.3635, 21.4008, 7.0120 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 37.3635, 21.4008, 7.0120 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 37.3635, 21.4008, 7.0120

Background



This preview shows how black text looks on a background with the XYZ color 37.3635, 21.4008, 7.0120.



This preview shows how white text looks on a background with the XYZ color 37.3635, 21.4008,

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

37.3635, 21.4008, 7.0120

Protanopia

19.9207, 21.5297, 12.1225

Deuteranopia

21.9002, 21.5470, 6.3729



Tritanopia

37.3046, 21.4587, 6.4507

Trichromacy



Original Color

37.3635, 21.4008, 7.0120

Protanomaly

23.7171, 19.2637, 9.8654

Deuteranomaly

25.6939, 19.7839, 6.3354

Tritanomaly

37.3313, 21.4694, 6.5913

Monochromacy



Original Color

37.3635, 21.4008, 7.0120

Achromatopsia

15.4009, 16.2029, 17.6450

Achromatomaly

19.7973, 15.6486, 12.8035

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.3635, 21.4008, 7.0120 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, 58, 64)` looks like.

```
.text, #text, p{  
    color:rgb(237, 58, 64)  
}
```

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, 58, 64) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 58, 64) }
```

Border

The CSS property to change the border of an element to XYZ 37.3635, 21.4008, 7.0120 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, 58, 64) }
```


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

```
.border{ border-color:rgb(237, 58, 64) }
```

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

Here you see how a box with a 4 pixel `rgb(237, 58, 64)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 58, 64); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 58, 64);  
box-shadow:4px 4px 4px 4px rgb(237, 58,  
64) }
```

Background

The CSS property to change the background color of an element to XYZ 37.3635, 21.4008, 7.0120 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 58, 64) }
```

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

```
.background{ background-color: rgb(237, 58,  
64) }
```

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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