

Converting Colors

XYZ(37.6769, 23.5766, 10.2674)

Have a look what the booklet for
XYZ(37.6769, 23.5766, 10.2674)
contains.

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Color

**XYZ(37.7063, 23.6347,
10.3592)**

Conversions

Conversions Part 1

Format	Color
Hex	E85151
RGB	232, 81, 81
RGB Percent	91%, 32%, 32%
CMY	0.0902, 0.6823, 0.6823
CMYK	0.00, 0.65, 0.65, 0.09
HSL	0°, 77%, 61%
HSV	0°, 65%, 91%
XYZ	37.7063, 23.6347, 10.3592
YIQ	126.1490, 89.9960, 32.0120

Conversions

Conversions Part 2

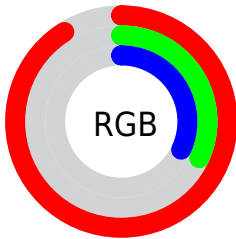
Format	Color
R_{YB}	232, 81, 81
Decimal	15225169
CIE _{Lab}	55.72, 58.25, 32.35
CIE _{LCh}	56, 66.633, 29.047
Yxy	23.6347, 0.5259, 0.3296
Android (android.graphics.Color)	4293415249 (0xFFE85151)
YUV	126.1490, -22.2585, 92.8313
Hunter-Lab	48.6155, 53.3678, 21.3971

Details

The XYZ color **37.7063, 23.6347, 10.3592** is a dark color, and the websafe version is hex **FF6666**. The color can be described as middle muted red. A complement of this color would be **46.8128, 65.2835, 86.4771**, and the grayscale version is **19.9349, 20.9731, 22.8397**.

A 20% lighter version of the original color is **54.2149, 40.7630, 26.1297**, and **16.8121, 8.8253, 2.4864** is the 20% darker color. If you saturate the color by 10%, you get **35.5407, 20.4662, 6.0537**, and if you desaturate by 10%, it is **40.7587, 28.1018, 16.4262**.

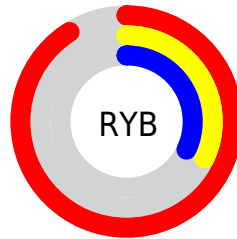
Distribution



Red (91%)

Green (32%)

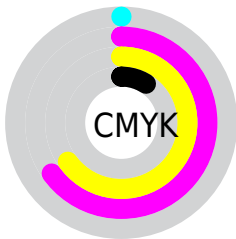
Blue (32%)



Red (91%)

Yellow (32%)

Blue (32%)

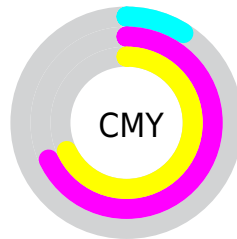


Cyan (0%)

Magenta (65%)

Yellow (65%)

Black (9%)



Cyan (9%)


Magenta (68%)

Yellow (68%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 37.7063, 23.6347, 10.3592 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 37.7063, 23.6347, 10.3592 by changing the saturation by 10% instead.


 37.7063, 23.6347,
10.3592


 37.7063, 23.6347,
10.3592


327.6611,
270.9684, 203.7939


 25.9310, 15.0629,
5.5291


 70.9646, 49.4334,
27.0873


 16.9044, 8.8635,
2.4968


 93.1782, 67.4291,
39.8223


 10.2613, 4.6523,
0.8385


 119.6020, 89.3348,
56.0293

 5.6361, 2.0447,
0.0000

 150.6014,
115.5351, 76.1269

 2.6636, 0.6333,
0.0000

 186.5416,
146.4141, 100.5337

 0.9785, 0.0000,
0.0000

227.7881,

 0.0000, 0.0000,

182.3564, 129.6680

0.0000

274.7061,
223.7464, 163.9486

■ 37.7063, 23.6347,
10.3592

■ 37.7063, 23.6347,
10.3592

■ 35.5407, 20.4662,
6.0537

■ 40.7587, 28.1018,
16.4262

■ 34.1657, 18.4541,
3.3205

■ 44.7774, 33.9825,
24.4151


■ 33.4657, 17.4297,
1.9294


■ 49.8352, 41.3835,
34.4696


■ 33.2786, 17.1560,
1.5575

■ 55.9972, 50.4003,
46.7194

■ 63.3234, 61.1206,
61.2835

 71.8693, 73.6256,
78.2726

 81.6870, 87.9916,
97.7900

 87.0885, 95.8957,
108.5274

Harmonies

Analogous

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



40.3432, 23.6347, 26.4322



37.7063, 23.6347, 10.3592



30.7942, 23.6347, 4.0046

Triad

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



37.7063, 23.6347, 10.3592



12.1675, 23.6347, 9.7195



22.2234, 23.6347, 93.7664

Complementary

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



37.7063, 23.6347, 10.3592



46.8128, 65.2835, 86.4771

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.



15.7905, 23.6347, 80.4383



37.7063, 23.6347, 10.3592



10.8453, 23.6347, 25.0485

Square

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



37.7063, 23.6347, 10.3592



16.1236, 23.6347, 3.8077



12.0077, 23.6347, 51.6785



30.2807, 23.6347, 81.9264

Rectangle

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



37.7063, 23.6347, 10.3592



25.3386, 23.6347, 2.6881



12.0077, 23.6347, 51.6785



19.8156, 23.6347, 91.9968

Sweetspot

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



37.7069, 23.6361, 10.3596



73.7326, 68.8068, 66.5216



50.7864, 28.8668, 79.2385



15.2457, 13.9430, 13.1726



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.



37.7069, 23.6361, 10.3596



43.3758, 24.3857, 6.1750



46.7363, 41.6949, 13.3694



14.3771, 14.3681, 14.9200



18.4752, 9.5245, 0.8647



1.3653, 0.7039, 0.0639

Inverse Universe

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



46.8128, 65.2835, 86.4771



55.4428, 79.5763, 107.0454



29.9314, 31.5206, 80.8500



14.8074, 16.3363, 18.5171



24.1042, 35.2705, 47.9206



1.7812, 2.6064, 3.5412

Previews

White Background



This preview shows how the XYZ color 37.7063, 23.6347, 10.3592 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 37.7063, 23.6347, 10.3592 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 37.7063, 23.6347, 10.3592

Background



This preview shows how black text looks on a background with the XYZ color 37.7063, 23.6347, 10.3592.



This preview shows how white text looks on a background with the XYZ color 37.7063, 23.6347,

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

37.7063, 23.6347, 10.3592

Protanopia

22.2511, 23.8491, 16.0010

Deuteranopia

24.2316, 23.8119, 9.6223



Tritanopia

37.7871, 23.5490, 11.1481

Trichromacy



Original Color

37.7063, 23.6347, 10.3592

Protanomaly

25.8303, 22.1836, 13.5101

Deuteranomaly

27.9752, 22.7095, 9.7464

Tritanomaly

37.7476, 23.5332, 10.9404

Monochromacy



Original Color

37.7063, 23.6347, 10.3592

Achromatopsia

19.8309, 20.8637, 22.7206

Achromatomaly

23.9075, 20.2770, 17.4056

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.7063, 23.6347, 10.3592 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(232, 81, 81)` looks like.

```
.text, #text, p{  
    color:rgb(232, 81, 81)  
}
```

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(232, 81, 81) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 81, 81) }
```

Border

The CSS property to change the border of an element to XYZ 37.7063, 23.6347, 10.3592 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(232, 81, 81) }
```


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

```
.border{ border-color:rgb(232, 81, 81) }
```

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

Here you see how a box with a 4 pixel `rgb(232, 81, 81)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 81, 81); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 81, 81);  
box-shadow:4px 4px 4px 4px rgb(232, 81,  
81) }
```

Background

The CSS property to change the background color of an element to XYZ 37.7063, 23.6347, 10.3592 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 81, 81) }
```

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

```
.background{ background-color: rgb(232, 81,  
81) }
```

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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