

Converting Colors

XYZ(37.9568, 24.0015, 10.8577)

Have a look what the booklet for
XYZ(37.9568, 24.0015, 10.8577)
contains.

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Color

**XYZ(37.9333, 23.9669,
10.8104)**

Conversions

Conversions Part 1

Format	Color
Hex	E85353
RGB	232, 83, 83
RGB Percent	91%, 33%, 33%
CMY	0.0902, 0.6745, 0.6745
CMYK	0.00, 0.64, 0.64, 0.09
HSL	0°, 76%, 62%
HSV	0°, 64%, 91%
XYZ	37.9333, 23.9669, 10.8104
YIQ	127.5510, 88.8040, 31.5880

Conversions

Conversions Part 2

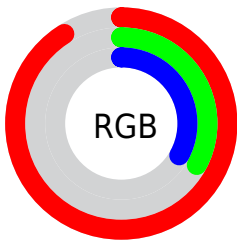
Format	Color
R_{YB}	232, 83, 83
Decimal	15225683
CIE _{Lab}	56.05, 57.55, 31.62
CIE _{LCh}	56, 65.662, 28.789
Yxy	23.9669, 0.5217, 0.3296
Android (android.graphics.Color)	4293415763 (0xFFE85353)
YUV	127.5510, -21.9636, 91.6018
Hunter-Lab	48.9560, 52.6368, 21.1769

Details

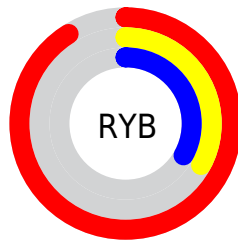
The XYZ color **37.9333, 23.9669, 10.8104** is a dark color, and the websafe version is hex **FF6666**. The color can be described as middle muted red. A complement of this color would be **46.9866, 65.3729, 86.4852**, and the grayscale version is **20.4157, 21.4789, 23.3905**.

A 20% lighter version of the original color is **54.7063, 41.4187, 27.3016**, and **17.1279, 9.0869, 2.6849** is the 20% darker color. If you saturate the color by 10%, you get **35.6948, 20.6918, 6.3600**, and if you desaturate by 10%, it is **41.0660, 28.5516, 17.0371**.

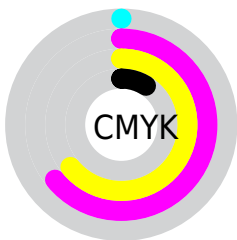
Distribution



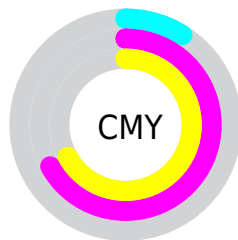
- Red (91%)
- Green (33%)
- Blue (33%)



- Red (91%)
- Yellow (33%)
- Blue (33%)



- Cyan (0%)
- Magenta (64%)
- Yellow (64%)
- Black (9%)





- Cyan (9%)
- Magenta (67%)
- Yellow (67%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 37.9333, 23.9669, 10.8104 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 37.9333, 23.9669, 10.8104 by changing the saturation by 10% instead.


 37.9333, 23.9669,
10.8104


 37.9333, 23.9669,
10.8104


328.6196,
272.6531, 207.0526


 26.1079, 15.3091,
5.8269

 71.3105, 49.9762,
27.9403


 17.0375, 9.0366,
2.6730


 93.5929, 68.0964,
40.9238


 10.3567, 4.7651,
0.9298


 120.0918, 90.1396,
57.4111

 5.7002, 2.1101,
0.0000

 151.1724,
116.4901, 77.8206

 2.7025, 0.6703,
0.0000

 187.2001,
147.5323, 102.5710

 0.9985, 0.0000,
0.0000

228.5403,

 0.0000, 0.0000,

183.6506, 132.0808

0.0000

275.5584,
225.2294, 166.7685

■ 37.9333, 23.9669,
10.8104

■ 37.9333, 23.9669,
10.8104

■ 35.6948, 20.6918,
6.3600

■ 41.0660, 28.5516,
17.0371

■ 34.2558, 18.5859,
3.4996

■ 45.1716, 34.5593,
25.1986


■ 33.5030, 17.4843,
2.0035


■ 50.3221, 42.0959,
35.4374


■ 33.2786, 17.1560,
1.5575

■ 56.5822, 51.2562,
47.8822

■ 64.0113, 62.1272,
62.6511

 72.6649, 74.7898,
79.8542

 82.5945, 89.3196,
99.5942

 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.



40.4932, 23.9669, 26.9801



37.9333, 23.9669, 10.8104



31.1169, 23.9669, 4.2934

Triad

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



37.9333, 23.9669, 10.8104



12.5225, 23.9669, 9.9904



22.4759, 23.9669, 93.1767

Complementary

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



37.9333, 23.9669, 10.8104



46.9866, 65.3729, 86.4852

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.



16.0832, 23.9669, 79.8942



37.9333, 23.9669, 10.8104



11.1729, 23.9669, 25.2312

Square

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



37.9333, 23.9669, 10.8104



16.5061, 23.9669, 4.0362



12.3187, 23.9669, 51.5261



30.4704, 23.9669, 81.7520

Rectangle

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



37.9333, 23.9669, 10.8104



25.7059, 23.9669, 2.9138



12.3187, 23.9669, 51.5261



20.0847, 23.9669, 91.3657

Sweetspot

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



37.9339, 23.9683, 10.8108



74.6522, 70.1523, 68.3496



50.9372, 29.1685, 79.2888



15.4242, 14.2042, 13.5274



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.



37.9339, 23.9683, 10.8108



43.5670, 24.6654, 6.5549



46.9816, 42.0637, 13.8267



14.3771, 14.3682, 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.



46.9866, 65.3729, 86.4852



55.5891, 79.6515, 107.0522



30.2745, 31.9487, 80.9145



14.8074, 16.3363, 18.5171



24.1041, 35.2703, 47.9206



1.7812, 2.6064, 3.5412

Previews

White Background



This preview shows how the XYZ color 37.9333, 23.9669, 10.8104 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 37.9333, 23.9669, 10.8104 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 37.9333, 23.9669, 10.8104

Background



This preview shows how black text looks on a background with the XYZ color 37.9333, 23.9669, 10.8104.



This preview shows how white text looks on a background with the XYZ color 37.9333, 23.9669,

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

37.9333, 23.9669, 10.8104

Protanopia

22.6643, 24.2567, 16.5842

Deuteranopia

24.6373, 24.2078, 10.0307



Tritanopia

38.0163, 23.8785, 11.6222

Trichromacy



Original Color

37.9333, 23.9669, 10.8104

Protanomaly

26.2612, 22.5654, 14.0378

Deuteranomaly

28.1556, 22.9572, 10.1550

Tritanomaly

37.9757, 23.8623, 11.4084

Monochromacy



Original Color

37.9333, 23.9669, 10.8104

Achromatopsia

20.5175, 21.5861, 23.5072

Achromatomaly

24.4447, 20.8652, 18.0682

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.9333, 23.9669, 10.8104 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, 83, 83)` looks like.

```
.text, #text, p{  
    color:rgb(232, 83, 83)  
}
```

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, 83, 83) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 83, 83) }
```

Border

The CSS property to change the border of an element to XYZ 37.9333, 23.9669, 10.8104 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, 83, 83) }
```


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

```
.border{ border-color:rgb(232, 83, 83) }
```

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

Here you see how a box with a 4 pixel rgb(232, 83, 83) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 83, 83); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 83, 83);  
box-shadow:4px 4px 4px 4px rgb(232, 83,  
83) }
```

Background

The CSS property to change the background color of an element to XYZ 37.9333, 23.9669, 10.8104 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 83, 83) }
```

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

```
.background{ background-color: rgb(232, 83,  
83) }
```

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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