

Converting Colors

XYZ(37.5897, 23.1229, 11.5495)

Have a look what the booklet for
XYZ(37.5897, 23.1229, 11.5495)
contains.

XYZ(37.6529, 23.1517, 11.5010)	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(37.6529, 23.1517,
11.5010)**

Conversions

Conversions Part 1

Format	Color
Hex	E84D57
RGB	232, 77, 87
RGB Percent	91%, 30%, 34%
CMY	0.0902, 0.6980, 0.6588
CMYK	0.00, 0.67, 0.62, 0.09
HSL	356°, 77%, 61%
HSV	356°, 67%, 91%
XYZ	37.6529, 23.1517, 11.5010
YIQ	124.4850, 89.1700, 35.9700

Conversions

Conversions Part 2

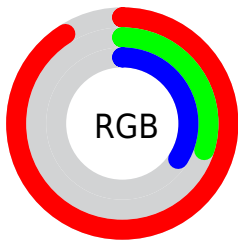
Format	Color
RYB	232, 77, 87
Decimal	15224151
CIELab	55.23, 60.20, 28.27
CIELCh	55, 66.505, 25.152
Yxy	23.1517, 0.5207, 0.3202
Android (android.graphics.Color)	4293414231 (0xFFE84D57)
YUV	124.4850, -18.4801, 94.2907
Hunter-Lab	48.1162, 55.4802, 19.5095

Details

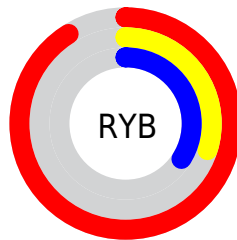
The XYZ color **37.6529, 23.1517, 11.5010** is a dark color, and the websafe version is hex **FF6666**. The color can be described as dark muted red. A complement of this color would be **45.1039, 64.5655, 79.1988**, and the grayscale version is **19.3604, 20.3686, 22.1814**.

A 20% lighter version of the original color is **54.2805, 40.1163, 28.5492**, and **16.9955, 8.7132, 2.9765** is the 20% darker color. If you saturate the color by 10%, you get **35.5516, 20.1615, 7.0639**, and if you desaturate by 10%, it is **40.6004, 27.4082, 17.5353**.

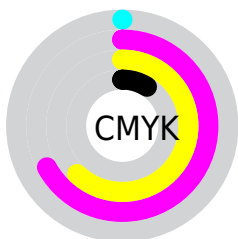
Distribution



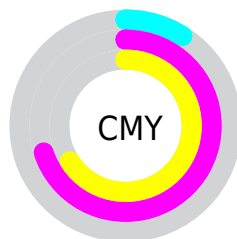
- Red (91%)
- Green (30%)
- Blue (34%)



- Red (91%)
- Yellow (30%)
- Blue (34%)



- Cyan (0%)
- Magenta (67%)
- Yellow (62%)
- Black (9%)





- Cyan (9%)
- Magenta (70%)
- Yellow (66%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 37.6529, 23.1517, 11.5010 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 37.6529, 23.1517, 11.5010 by changing the saturation by 10% instead.

 37.6529, 23.1517,
11.5010


 37.6529, 23.1517,
11.5010


327.4353,
268.5032, 211.9325


 25.8894, 14.7056,
6.2865


 70.8831, 48.6423,
29.2336

 16.8732, 8.6130,
2.9485


 93.0806, 66.4555,
42.5888


 10.2388, 4.4896,
1.0684


 119.4867, 88.1600,
59.4947

 5.6211, 1.9511,
0.0000

 150.4669,
114.1399, 80.3697

 2.6545, 0.5788,
0.0000

 186.3865,
144.7798, 105.6325

 0.9738, 0.0000,
0.0000

227.6109,

 0.0000, 0.0000,

180.4641, 135.7015

0.0000

274.5054,
221.5771, 170.9953

■ 37.6529, 23.1517,
11.5010

■ 37.6529, 23.1517,
11.5010

■ 35.5516, 20.1615,
7.0639

■ 40.6004, 27.4082,
17.5353

■ 34.2054, 18.2942,
4.0711

■ 44.4693, 33.0463,
25.2983


■ 33.5027, 17.3741,
2.3411


■ 49.3286, 40.1728,
34.9090


■ 33.3644, 17.1901,
2.0097

■ 55.2400, 48.8829,
46.4756

■ 62.2603, 59.2639,
60.0980

 70.4422, 71.3967,
75.8692

 79.8351, 85.3570,
93.8766

 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.



39.5504, 23.1517, 28.8302



37.6529, 23.1517, 11.5010



31.2290, 23.1517, 4.3229

Triad

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



37.6529, 23.1517, 11.5010



12.2321, 23.1517, 8.3015



20.8185, 23.1517, 91.9957

Complementary

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



37.6529, 23.1517, 11.5010



45.1039, 64.5655, 79.1988

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.



14.8037, 23.1517, 75.9675



37.6529, 23.1517, 11.5010



10.6105, 23.1517, 21.9031

Square

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



37.6529, 23.1517, 11.5010



16.4696, 23.1517, 3.3401



11.4331, 23.1517, 46.9281



28.6595, 23.1517, 83.4199

Rectangle

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



37.6529, 23.1517, 11.5010



25.8766, 23.1517, 2.7280



11.4331, 23.1517, 46.9281



18.5402, 23.1517, 89.1318

Sweetspot

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



37.6534, 23.1530, 11.5014



74.1305, 68.9648, 68.6203



47.2423, 26.6124, 78.9903



15.3386, 13.9798, 13.6624



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.



37.6534, 23.1530, 11.5014



43.3535, 23.9995, 7.2202



44.6178, 37.6904, 11.9464



14.4145, 14.3830, 15.1171



18.5384, 9.5496, 1.1984



1.3833, 0.7110, 0.1587

Inverse Universe

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



37.6534, 23.1530, 11.5014



43.3535, 23.9995, 7.2202



31.0526, 34.2560, 81.3190



14.4145, 14.3830, 15.1171



18.5384, 9.5496, 1.1984



1.3833, 0.7110, 0.1587

Previews

White Background



This preview shows how the XYZ color 37.6529, 23.1517, 11.5010 looks on a white background.

Color Contrast Check

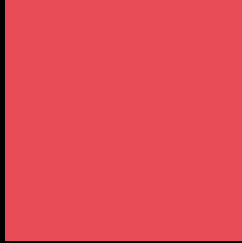
Large Text (above 18pt) WCAG AA ✓ Pass

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 37.6529, 23.1517, 11.5010 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 37.6529, 23.1517, 11.5010

Background



This preview shows how black text looks on a background with the XYZ color 37.6529, 23.1517, 11.5010.



This preview shows how white text looks on a background with the XYZ color 37.6529, 23.1517,

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

37.6529, 23.1517, 11.5010

Protanopia

21.8810, 23.2038, 18.0774

Deuteranopia

23.6986, 23.3203, 10.6494



Tritanopia

37.5261, 23.2138, 10.4855

Trichromacy



Original Color

37.6529, 23.1517, 11.5010

Protanomaly

25.4260, 21.4319, 15.3670

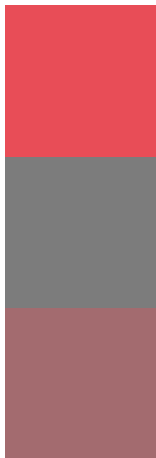
Deuteranomaly

27.4851, 22.1113, 10.8019

Tritanomaly

37.6033, 23.2447, 10.8923

Monochromacy



Original Color

37.6529, 23.1517, 11.5010

Achromatopsia

19.1579, 20.1556, 21.9495

Achromatomaly

23.2312, 19.4496, 17.5687

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.6529, 23.1517, 11.5010 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, 77, 87)` looks like.

```
.text, #text, p{  
    color:rgb(232, 77, 87)  
}
```

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, 77, 87) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 77, 87) }
```

Border

The CSS property to change the border of an element to XYZ 37.6529, 23.1517, 11.5010 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, 77, 87) }
```


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

```
.border{ border-color:rgb(232, 77, 87) }
```

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

Here you see how a box with a 4 pixel `rgb(232, 77, 87)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 77, 87); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 77, 87);  
box-shadow:4px 4px 4px 4px rgb(232, 77,  
87) }
```

Background

The CSS property to change the background color of an element to XYZ 37.6529, 23.1517, 11.5010 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 77, 87) }
```

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

```
.background{ background-color: rgb(232, 77,  
87) }
```

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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