

Converting Colors

XYZ(37.9945, 22.1657, 8.7544)

Have a look what the booklet for
XYZ(37.9945, 22.1657, 8.7544)
contains.

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Color

**XYZ(37.9945, 22.1657,
8.7544)**

Conversions

Conversions Part 1

Format	Color
Hex	ED404A
RGB	237, 64, 74
RGB Percent	93%, 25%, 29%
CMY	0.0706, 0.7490, 0.7098
CMYK	0.00, 0.73, 0.69, 0.07
HSL	357°, 83%, 59%
HSV	357°, 73%, 93%
XYZ	37.9945, 22.1657, 8.7544
YIQ	116.8670, 99.8980, 39.7860

Conversions

Conversions Part 2

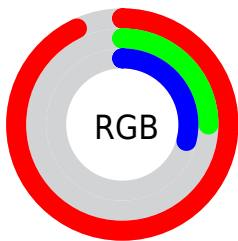
Format	Color
R_{YB}	237, 64, 74
Decimal	15548490
CIE Lab	54.20, 65.73, 34.72
CIE LCh	54, 74.334, 27.843
Yxy	22.1657, 0.5513, 0.3216
Android (android.graphics.Color)	4293738570 (0xFFED404A)
YUV	116.8670, -21.1334, 105.3566
Hunter-Lab	47.0805, 61.6608, 21.9316

Details

The XYZ color **37.9945, 22.1657, 8.7544** is a dark color, and the websafe version is hex **CC3333**. The color can be described as dark muted red. A complement of this color would be **46.2659, 67.2051, 83.2146**, and the grayscale version is **16.9105, 17.7911, 19.3745**.

A 20% lighter version of the original color is **52.0228, 37.1054, 23.1590**, and **17.4679, 8.9780, 2.0406** is the 20% darker color. If you saturate the color by 10%, you get **36.3066, 19.7881, 5.1158**, and if you desaturate by 10%, it is **40.5177, 25.7874, 13.9886**.

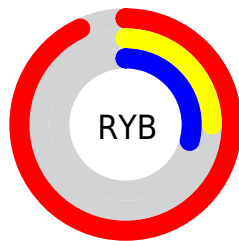
Distribution



Red (93%)

Green (25%)

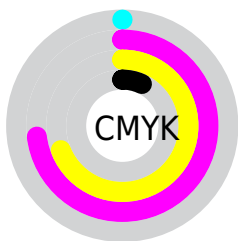
Blue (29%)



Red (93%)

Yellow (25%)

Blue (29%)

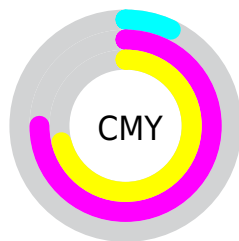


Cyan (0%)

Magenta (73%)

Yellow (69%)

Black (7%)



Cyan (7%)


Magenta (75%)


Yellow (71%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 37.9945, 22.1657, 8.7544 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 37.9945, 22.1657, 8.7544 by changing the saturation by 10% instead.


 37.9945, 22.1657,
8.7544


 37.9945, 22.1657,
8.7544

328.8776,
263.4104, 191.6851


 26.1556, 13.9787,
4.4867


 71.4037, 47.0197,
23.9948


 17.0734, 8.1059,
1.8960


 93.7046, 64.4555,
35.8045


 10.3825, 4.1628,
0.4902


 120.2237, 85.7430,
50.9654

 5.7175, 1.7650,
0.0000

 151.3262,
111.2667, 69.8959

 2.7131, 0.4652,
0.0000

 187.3775,
141.4109, 93.0146

 1.0039, 0.0000,
0.0000

228.7429,

 0.0000, 0.0000,

176.5599, 120.7400

0.0000

275.7879,
217.0983, 153.4906

■ 37.9945, 22.1657,
8.7544

■ 37.9945, 22.1657,
8.7544

■ 36.3066, 19.7881,
5.1158

■ 40.5177, 25.7874,
13.9886

■ 35.3453, 18.4838,
2.8892


■ 43.9640, 30.7873,
20.9724


■ 35.0020, 18.0353,
2.0407


■ 48.4118, 37.2866,
29.8428


■ 53.9309, 45.3921,
40.7230

■ 60.5845, 55.2010,
53.7257

 68.4311, 66.8027,
68.9552

 77.5252, 80.2802,
86.5091

 87.9179, 95.7116,
106.4790

 88.7349, 96.7444,
108.6045

Harmonies

Analogous

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



40.7032, 22.1657, 25.8475



37.9945, 22.1657, 8.7544



30.4591, 22.1657, 2.6705

Triad

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



37.9945, 22.1657, 8.7544



10.4677, 22.1657, 7.3611



20.4888, 22.1657, 101.4160

Complementary

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



37.9945, 22.1657, 8.7544



46.2659, 67.2051, 83.2146

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.



13.8375, 22.1657, 84.7425



37.9945, 22.1657, 8.7544



9.0497, 22.1657, 22.4992

Square

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



37.9945, 22.1657, 8.7544



14.6166, 22.1657, 2.3030



10.1053, 22.1657, 51.4283



29.1830, 22.1657, 88.6684

Rectangle

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



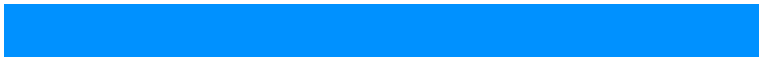
37.9945, 22.1657, 8.7544



24.5097, 22.1657, 1.5405



10.1053, 22.1657, 51.4283



17.9643, 22.1657, 98.9220

Sweetspot

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



37.9950, 22.1670, 8.7547



72.3176, 66.3317, 64.9553



48.3172, 25.8653, 82.5663



14.9845, 13.4677, 12.9399



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.



37.9950, 22.1670, 8.7547



42.1659, 22.3977, 4.4402



45.0794, 36.8323, 9.5857



15.1007, 15.0681, 15.8157



19.1251, 9.8527, 1.1940



1.5142, 0.7787, 0.1593

Inverse Universe

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



37.9950, 22.1670, 8.7547



42.1659, 22.3977, 4.4402



30.3282, 33.0589, 84.9029



15.1007, 15.0681, 15.8157



19.1251, 9.8527, 1.1940



1.5142, 0.7787, 0.1593

Previews

White Background



This preview shows how the XYZ color 37.9945, 22.1657, 8.7544 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 37.9945, 22.1657, 8.7544 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 37.9945, 22.1657, 8.7544

Background



This preview shows how black text looks on a background with the XYZ color 37.9945, 22.1657, 8.7544.



This preview shows how white text looks on a background with the XYZ color 37.9945, 22.1657,

8.7544.

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

37.9945, 22.1657, 8.7544

Protanopia

20.8822, 22.3551, 15.0187

Deuteranopia

22.6303, 22.2591, 7.9542



Tritanopia

37.8587, 22.2025, 7.7590

Trichromacy



Original Color

37.9945, 22.1657, 8.7544

Protanomaly

24.6787, 20.1602, 12.2635

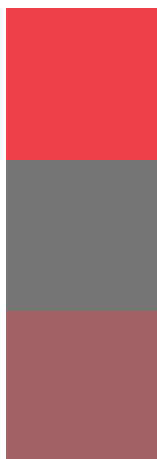
Deuteranomaly

26.5338, 20.6115, 8.0488

Tritanomaly

37.9208, 22.2273, 8.0860

Monochromacy



Original Color

37.9945, 22.1657, 8.7544

Achromatopsia

16.9083, 17.7888, 19.3720

Achromatomaly

21.4146, 17.2520, 14.5132

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.9945, 22.1657, 8.7544 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, 64, 74)` looks like.

```
.text, #text, p{  
    color:rgb(237, 64, 74)  
}
```

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, 64, 74) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 64, 74) }
```

Border

The CSS property to change the border of an element to XYZ 37.9945, 22.1657, 8.7544 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, 64, 74) }
```


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

```
.border{ border-color:rgb(237, 64, 74) }
```

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

Here you see how a box with a 4 pixel `rgb(237, 64, 74)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 64, 74); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 64, 74);  
box-shadow:4px 4px 4px 4px rgb(237, 64,  
74) }
```

Background

The CSS property to change the background color of an element to XYZ 37.9945, 22.1657, 8.7544 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 64, 74) }
```

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

```
.background{ background-color: rgb(237, 64,  
74) }
```

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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