

Converting Colors

XYZ(37.9539, 22.8821, 7.7425)

Have a look what the booklet for
XYZ(37.9539, 22.8821, 7.7425)
contains.

XYZ(37.9226, 22.8728, 7.7264)	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(37.9226, 22.8728,
7.7264)**

Conversions

Conversions Part 1

Format	Color
Hex	EC4843
RGB	236, 72, 67
RGB Percent	93%, 28%, 26%
CMY	0.0745, 0.7176, 0.7373
CMYK	0.00, 0.69, 0.72, 0.07
HSL	2°, 82%, 59%
HSV	2°, 72%, 93%
XYZ	37.9226, 22.8728, 7.7264
YIQ	120.4660, 99.3490, 33.2130

Conversions

Conversions Part 2

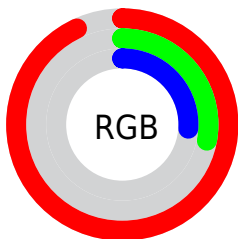
Format	Color
RYB	236, 72, 67
Decimal	15484995
CIELab	54.94, 62.31, 39.51
CIELCh	55, 73.783, 32.378
Yxy	22.8728, 0.5534, 0.3338
Android (android.graphics.Color)	4293675075 (0xFFEC4843)
YUV	120.4660, -26.3587, 101.3233
Hunter-Lab	47.8255, 57.8445, 23.8993

Details

The XYZ color **37.9226, 22.8728, 7.7264** 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 **46.0282, 64.3957, 89.3602**, and the grayscale version is **18.0629, 19.0035, 20.6949**.

A 20% lighter version of the original color is **52.3750, 38.4862, 21.1911**, and **17.1679, 8.8325, 1.6106** is the 20% darker color. If you saturate the color by 10%, you get **36.1383, 20.2160, 4.3217**, and if you desaturate by 10%, it is **40.5473, 26.7496, 12.8337**.

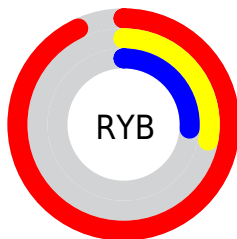
Distribution



Red (93%)

Green (28%)

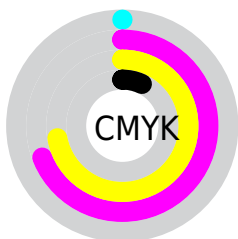
Blue (26%)



Red (93%)

Yellow (28%)

Blue (26%)

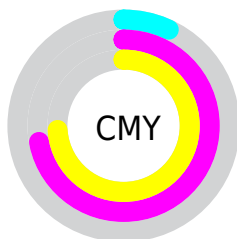


Cyan (0%)

Magenta (69%)

Yellow (72%)

Black (7%)



Cyan (7%)


Magenta (72%)


Yellow (74%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 37.9226, 22.8728, 7.7264 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 37.9226, 22.8728, 7.7264 by changing the saturation by 10% instead.

 37.9226, 22.8728,
7.7264


 37.9226, 22.8728,
7.7264


328.5744,
267.0710, 183.4237

 26.0996, 14.4996,
3.8351


 71.2942, 48.1844,
21.9576


 17.0312, 8.4690,
1.5353


 93.5734, 65.8916,
33.1345

 10.3522, 4.3965,
0.2440


 120.0687, 87.4789,
47.5771

 5.6971, 1.8977,
0.0000

 151.1455,
113.3307, 65.7039

 2.7007, 0.5470,
0.0000

 187.1691,
143.8314, 87.9334

 0.9975, 0.0000,
0.0000

228.5049,

 0.0000, 0.0000,

179.3654, 114.6842

0.0000

275.5182,
220.3172, 146.3748

■ 37.9226, 22.8728,
7.7264

■ 37.9226, 22.8728,
7.7264

■ 36.1383, 20.2160,
4.3217

■ 40.5473, 26.7496,
12.8337

■ 35.0905, 18.6307,
2.3992


■ 44.0969, 31.9648,
19.8253


■ 34.6678, 17.9846,
1.6442


■ 48.6474, 38.6269,
28.8610

■ 54.2665, 46.8325,
40.0833

■ 61.0161, 56.6698,
53.6219

 68.9531, 68.2204,
69.5965

 78.1309, 81.5603,
88.1184

 88.4019, 96.5728,
108.5889

Harmonies

Analogous

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



41.5587, 22.8728, 23.0807



37.9226, 22.8728, 7.7264



29.8828, 22.8728, 2.5124

Triad

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



37.9226, 22.8728, 7.7264



10.5650, 22.8728, 9.3081



22.3995, 22.8728, 102.5289

Complementary

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



37.9226, 22.8728, 7.7264



46.0282, 64.3957, 89.3602

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.



15.2295, 22.8728, 89.9837



37.9226, 22.8728, 7.7264



9.5025, 22.8728, 26.8221

Square

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



37.9226, 22.8728, 7.7264



14.3546, 22.8728, 2.9399



10.9738, 22.8728, 57.6758



31.3031, 22.8728, 85.6512

Rectangle

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



37.9226, 22.8728, 7.7264



23.8946, 22.8728, 1.6191



10.9738, 22.8728, 57.6758



19.7188, 22.8728, 101.6086

Sweetspot

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



37.9231, 22.8741, 7.7268



73.2004, 68.2278, 64.8475



51.3333, 27.7409, 79.8768



15.1562, 13.8583, 12.8521



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.



37.9231, 22.8741, 7.7268



42.3890, 23.0557, 3.8612



47.2131, 41.4540, 10.8234



15.1013, 15.1255, 15.6423



19.1260, 9.9463, 0.9118



1.5145, 0.8063, 0.0758

Inverse Universe

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



46.0282, 64.3957, 89.3602



52.4883, 75.0321, 106.3240



28.1525, 28.6444, 83.4016



15.4772, 17.0408, 19.3957



23.8089, 34.2649, 49.1019



1.8817, 2.7148, 3.8597

Previews

White Background



This preview shows how the XYZ color 37.9226, 22.8728, 7.7264 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 37.9226, 22.8728, 7.7264 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 37.9226, 22.8728, 7.7264

Background



This preview shows how black text looks on a background with the XYZ color 37.9226, 22.8728, 7.7264.



This preview shows how white text looks on a background with the XYZ color 37.9226, 22.8728,

7.7264.

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

37.9226, 22.8728, 7.7264

Protanopia

21.3404, 23.0467, 12.5562

Deuteranopia

23.3820, 22.8552, 7.0500



Tritanopia

38.0813, 22.8338, 8.8788

Trichromacy



Original Color

37.9226, 22.8728, 7.7264

Protanomaly

25.1554, 21.0782, 10.3321

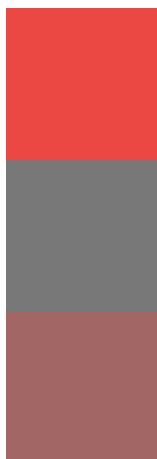
Deuteranomaly

27.2315, 21.5921, 7.1473

Tritanomaly

37.9826, 22.7943, 8.3591

Monochromacy



Original Color

37.9226, 22.8728, 7.7264

Achromatopsia

17.8524, 18.7821, 20.4537

Achromatomaly

22.0995, 18.3215, 14.6835

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.9226, 22.8728, 7.7264 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(236, 72, 67)` looks like.

```
.text, #text, p{  
    color:rgb(236, 72, 67)  
}
```

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(236, 72, 67) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 72, 67) }
```

Border

The CSS property to change the border of an element to XYZ 37.9226, 22.8728, 7.7264 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(236, 72, 67) }
```


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

```
.border{ border-color:rgb(236, 72, 67) }
```

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

Here you see how a box with a 4 pixel rgb(236, 72, 67) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 72, 67); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 72, 67);  
box-shadow:4px 4px 4px 4px rgb(236, 72,  
67) }
```

Background

The CSS property to change the background color of an element to XYZ 37.9226, 22.8728, 7.7264 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 72, 67) }
```

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

```
.background{ background-color: rgb(236, 72,  
67) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor