

Converting Colors

XYZ(37.4165, 22.9298, 8.1216)

Have a look what the booklet for
XYZ(37.4165, 22.9298, 8.1216)
contains.

XYZ(37.5219, 22.9543, 8.0832)	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(37.5219, 22.9543,
8.0832)**

Conversions

Conversions Part 1

Format	Color
Hex	EA4B45
RGB	234, 75, 69
RGB Percent	92%, 29%, 27%
CMY	0.0824, 0.7058, 0.7294
CMYK	0.00, 0.68, 0.71, 0.08
HSL	2°, 80%, 59%
HSV	2°, 71%, 92%
XYZ	37.5219, 22.9543, 8.0832
YIQ	121.8570, 96.6900, 31.8420

Conversions

Conversions Part 2

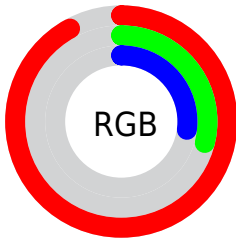
Format	Color
RYB	234, 75, 69
Decimal	15354693
CIELab	55.03, 60.65, 38.40
CIELCh	55, 71.783, 32.341
Yxy	22.9543, 0.5473, 0.3348
Android (android.graphics.Color)	4293544773 (0xFFEA4B45)
YUV	121.8570, -26.0585, 98.3494
Hunter-Lab	47.9106, 55.9512, 23.5344

Details

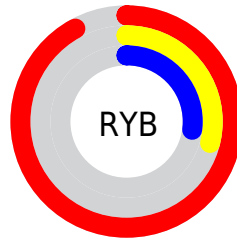
The XYZ color **37.5219, 22.9543, 8.0832** is a dark color, and the websafe version is hex **CC3333**. The color can be described as dark muted red. A complement of this color would be **45.0456, 62.6861, 87.5667**, and the grayscale version is **18.5136, 19.4777, 21.2113**.

A 20% lighter version of the original color is **52.7613, 39.0705, 21.9001**, and **16.9701, 8.7281, 1.7100** is the 20% darker color. If you saturate the color by 10%, you get **35.6655, 20.1840, 4.5598**, and if you desaturate by 10%, it is **40.2072, 26.9250, 13.2952**.

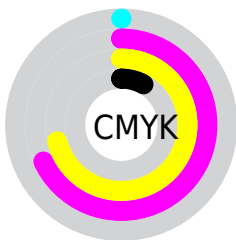
Distribution



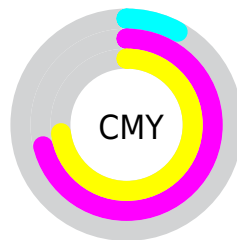
- Red (92%)
- Green (29%)
- Blue (27%)



- Red (92%)
- Yellow (29%)
- Blue (27%)



- Cyan (0%)
- Magenta (68%)
- Yellow (71%)
- Black (8%)





- Cyan (8%)
- Magenta (71%)
- Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 37.5219, 22.9543, 8.0832 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 37.5219, 22.9543, 8.0832 by changing the saturation by 10% instead.

 37.5219, 22.9543,
8.0832


 37.5219, 22.9543,
8.0832


326.8810,
267.4902, 186.3420


 25.7874, 14.5598,
4.0597


 70.6834, 48.3183,
22.6702


 16.7965, 8.5110,
1.6582


 92.8410, 66.0565,
34.0709

 10.1839, 4.4236,
0.3318


 119.2037, 87.6781,
48.7676

 5.5843, 1.9132,
0.0000

 150.1369,
113.5674, 67.1790

 2.6322, 0.5563,
0.0000

 186.0059,
144.1089, 89.7236

 0.9624, 0.0000,
0.0000

227.1760,

 0.0000, 0.0000,

179.6869, 116.8200

0.0000

274.0126,
220.6859, 148.8866

■ 37.5219, 22.9543,
8.0832

■ 37.5219, 22.9543,
8.0832

■ 35.6655, 20.1840,
4.5598

■ 40.2072, 26.9250,
13.2952

■ 34.5403, 18.4753,
2.5149


■ 43.8014, 32.2071,
20.3702


■ 34.0239, 17.6773,
1.6188


■ 48.3768, 38.9033,
29.4623

■ 53.9979, 47.1052,
40.7091

■ 60.7239, 56.8966,
54.2361

 68.6094, 68.3551,
70.1594

 77.7055, 81.5534,
88.5869

 87.7414, 96.2323,
108.5580

Harmonies

Analogous

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



41.0244, 22.9543, 23.2406



37.5219, 22.9543, 8.0832



29.7451, 22.9543, 2.7779

Triad

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



37.5219, 22.9543, 8.0832



10.8518, 22.9543, 9.6387



22.4503, 22.9543, 99.6519

Complementary

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



37.5219, 22.9543, 8.0832



45.0456, 62.6861, 87.5667

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.



15.4405, 22.9543, 87.6336



37.5219, 22.9543, 8.0832



9.7952, 22.9543, 26.8320

Square

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



37.5219, 22.9543, 8.0832



14.5942, 22.9543, 3.2139



11.2502, 22.9543, 56.6499



31.1002, 22.9543, 83.5549

Rectangle

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



37.5219, 22.9543, 8.0832



23.9273, 22.9543, 1.8391



11.2502, 22.9543, 56.6499



19.8353, 22.9543, 98.7609

Sweetspot

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



37.5224, 22.9556, 8.0836



73.2864, 68.3997, 64.8761



50.1325, 27.3778, 76.4048



15.1761, 13.8981, 12.8588



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.



37.5224, 22.9556, 8.0836



42.5766, 23.3670, 4.1212



47.0625, 42.0358, 11.2636



15.1095, 15.1419, 15.6450



19.1394, 9.9730, 0.9162



1.5185, 0.8142, 0.0771

Inverse Universe

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



45.0456, 62.6861, 87.5667



52.1512, 74.2220, 106.1854



27.5843, 27.7634, 81.7462



15.4679, 17.0222, 19.3926



23.5696, 33.7863, 49.0221



1.8655, 2.6825, 3.8543

Previews

White Background



This preview shows how the XYZ color 37.5219, 22.9543, 8.0832 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 37.5219, 22.9543, 8.0832 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

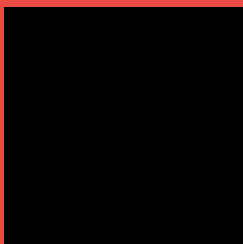
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 37.5219, 22.9543, 8.0832

Background



This preview shows how black text looks on a background with the XYZ color 37.5219, 22.9543, 8.0832.



This preview shows how white text looks on a background with the XYZ color 37.5219, 22.9543,

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

37.5219, 22.9543, 8.0832

Protanopia

21.3821, 23.0634, 12.7759

Deuteranopia

23.5863, 23.1405, 7.4984



Tritanopia

37.7556, 22.9400, 9.6457

Trichromacy



Original Color

37.5219, 22.9543, 8.0832

Protanomaly

25.1119, 21.2082, 10.7527

Deuteranomaly

27.1412, 21.6931, 7.4593

Tritanomaly

37.6505, 22.8980, 9.0920

Monochromacy



Original Color

37.5219, 22.9543, 8.0832

Achromatopsia

18.4984, 19.4618, 21.1939

Achromatomaly

22.6040, 18.8690, 15.2827

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.5219, 22.9543, 8.0832 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(234, 75, 69)` looks like.

```
.text, #text, p{  
    color:rgb(234, 75, 69)  
}
```

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(234, 75, 69) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(234, 75, 69) }
```

Border

The CSS property to change the border of an element to XYZ 37.5219, 22.9543, 8.0832 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(234, 75, 69) }
```


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

```
.border{ border-color:rgb(234, 75, 69) }
```

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

Here you see how a box with a 4 pixel `rgb(234, 75, 69)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(234, 75, 69); -webkit-box-  
shadow:4px 4px 4px 4px rgb(234, 75, 69);  
box-shadow:4px 4px 4px 4px rgb(234, 75,  
69) }
```

Background

The CSS property to change the background color of an element to XYZ 37.5219, 22.9543, 8.0832 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(234, 75, 69) }
```

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

```
.background{ background-color: rgb(234, 75,  
69) }
```

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