

Converting Colors

XYZ(34.8724, 21.4652, 7.8533)

Have a look what the booklet for
XYZ(34.8724, 21.4652, 7.8533)
contains.

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Color

**XYZ(34.8562, 21.4837,
7.7785)**

Conversions

Conversions Part 1

Format	Color
Hex	E24A44
RGB	226, 74, 68
RGB Percent	89%, 29%, 27%
CMY	0.1137, 0.7098, 0.7333
CMYK	0.00, 0.67, 0.70, 0.11
HSL	2°, 73%, 58%
HSV	2°, 70%, 89%
XYZ	34.8562, 21.4837, 7.7785
YIQ	118.7640, 92.5180, 30.3580

Conversions

Conversions Part 2

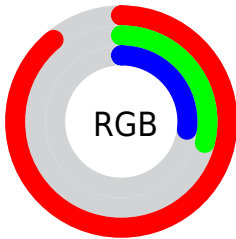
Format	Color
RYB	226, 74, 68
Decimal	14830148
CIELab	53.47, 58.43, 36.80
CIELCh	53, 69.052, 32.201
Yxy	21.4837, 0.5436, 0.3351
Android (android.graphics.Color)	4293020228 (0xFFE24A44)
YUV	118.7640, -25.0267, 94.0460
Hunter-Lab	46.3505, 53.1210, 22.4954

Details

The XYZ color **34.8562, 21.4837, 7.7785** 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 **41.7018, 57.9009, 80.9291**, and the grayscale version is **17.5173, 18.4295, 20.0698**.

A 20% lighter version of the original color is **52.4335, 38.5096, 21.4992**, and **15.2691, 7.8525, 1.5751** is the 20% darker color. If you saturate the color by 10%, you get **33.0853, 18.8414, 4.4162**, and if you desaturate by 10%, it is **37.3951, 25.2374, 12.7078**.

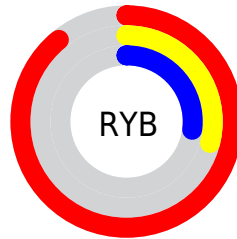
Distribution



Red (89%)

Green (29%)

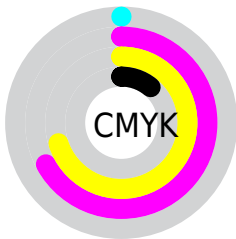
Blue (27%)



Red (89%)

Yellow (29%)

Blue (27%)

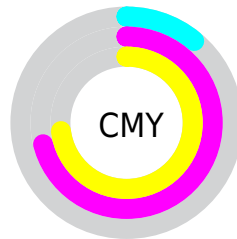


Cyan (0%)

Magenta (67%)

Yellow (70%)

Black (11%)



Cyan (11%)


Magenta (71%)


Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 34.8562, 21.4837, 7.7785 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 34.8562, 21.4837, 7.7785 by changing the saturation by 10% instead.


 34.8562, 21.4837,
7.7785


 34.8562, 21.4837,
7.7785


315.4523,
259.8380, 183.8535


 23.7181, 13.4780,
3.8678


 66.5984, 45.8912,
22.0620

 15.2483, 7.7585,
1.5531


 87.9333, 63.0618,
33.2719


 9.0813, 3.9408,
0.2570


 113.3978, 84.0561,
47.7520

 4.8518, 1.6405,
0.0000

 143.3573,
109.2586, 65.9207

 2.1944, 0.3847,
0.0000

 178.1771,
139.0536, 88.1967

 0.7398, 0.0000,
0.0000

218.2227,

 0.0000, 0.0000,

173.8256, 114.9985

0.0000

263.8593,
213.9590, 146.7445

■ 34.8562, 21.4837,
7.7785

■ 34.8562, 21.4837,
7.7785

■ 33.0853, 18.8414,
4.4162

■ 37.3951, 25.2374,
12.7078

■ 31.9943, 17.1853,
2.4310

■ 40.7744, 30.2027,
19.3628


■ 31.4603, 16.3599,
1.5054


■ 45.0597, 36.4729,
27.8834


■ 31.4571, 16.3552,
1.4989


■ 50.3098, 44.1309,
38.3953

■ 56.5785, 53.2532,
51.0132

 63.9156, 63.9102,
65.8430

 72.3676, 76.1682,
82.9835

 81.9784, 90.0894,
102.5276

 85.1738, 94.9086,
108.4378

Harmonies

Analogous

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



38.0368, 21.4837, 21.8723



34.8562, 21.4837, 7.7785



27.7411, 21.4837, 2.7531

Triad

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



34.8562, 21.4837, 7.7785



10.2997, 21.4837, 9.1432



20.9670, 21.4837, 91.5741

Complementary

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



34.8562, 21.4837, 7.7785



41.7018, 57.9009, 80.9291

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.



14.5150, 21.4837, 80.5281



34.8562, 21.4837, 7.7785



9.3071, 21.4837, 24.9807

Square

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



34.8562, 21.4837, 7.7785



13.7792, 21.4837, 3.1434



10.6474, 21.4837, 52.2509



28.9099, 21.4837, 77.0369

Rectangle

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



34.8562, 21.4837, 7.7785



22.3969, 21.4837, 1.8451



10.6474, 21.4837, 52.2509



18.5623, 21.4837, 90.7216

Sweetspot

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



34.8567, 21.4849, 7.7788



73.3067, 68.4404, 64.8829



46.4465, 25.5092, 70.6958



15.1808, 13.9075, 12.8603



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.



34.8567, 21.4849, 7.7788



42.7329, 23.6109, 4.3847



43.6788, 39.1291, 10.7195



13.7488, 13.7836, 14.2426



17.9658, 9.3696, 0.8616



1.2603, 0.6794, 0.0647

Inverse Universe

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



41.7018, 57.9009, 80.9291



52.1723, 74.1189, 106.1643



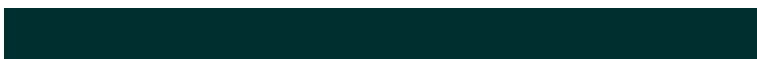
25.7447, 25.9867, 75.6100



14.0696, 15.4782, 17.6337



22.0675, 31.6045, 45.9856



1.5437, 2.2189, 3.1922

Previews

White Background



This preview shows how the XYZ color 34.8562, 21.4837, 7.7785 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 34.8562, 21.4837, 7.7785 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 34.8562, 21.4837, 7.7785

Background



This preview shows how black text looks on a background with the XYZ color 34.8562, 21.4837, 7.7785.



This preview shows how white text looks on a background with the XYZ color 34.8562, 21.4837,

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

34.8562, 21.4837, 7.7785

Protanopia

20.0869, 21.6154, 12.1303

Deuteranopia

22.0470, 21.6058, 7.1460



Tritanopia

35.0861, 21.4697, 9.3160

Trichromacy



Original Color

34.8562, 21.4837, 7.7785

Protanomaly

23.6051, 19.9622, 10.1984

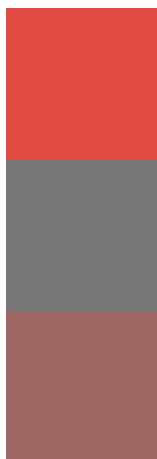
Deuteranomaly

25.4495, 20.5182, 7.1765

Tritanomaly

34.9826, 21.4283, 8.7708

Monochromacy



Original Color

34.8562, 21.4837, 7.7785

Achromatopsia

17.5343, 18.4475, 20.0893

Achromatomaly

21.2510, 17.8897, 14.3896

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.8562, 21.4837, 7.7785 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(226, 74, 68)` looks like.

```
.text, #text, p{  
    color:rgb(226, 74, 68)  
}
```

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(226, 74, 68) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 74, 68) }
```

Border

The CSS property to change the border of an element to XYZ 34.8562, 21.4837, 7.7785 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(226, 74, 68) }
```


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

```
.border{ border-color:rgb(226, 74, 68) }
```

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

Here you see how a box with a 4 pixel rgb(226, 74, 68) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 74, 68); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 74, 68);  
box-shadow:4px 4px 4px 4px rgb(226, 74,  
68) }
```

Background

The CSS property to change the background color of an element to XYZ 34.8562, 21.4837, 7.7785 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 74, 68) }
```

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

```
.background{ background-color: rgb(226, 74,  
68) }
```

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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