

Converting Colors

XYZ(34.8809, 21.0168, 7.8484)

Have a look what the booklet for
XYZ(34.8809, 21.0168, 7.8484)
contains.

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Color

**XYZ(34.8809, 21.0168,
7.8484)**

Conversions

Conversions Part 1

Format	Color
Hex	E34545
RGB	227, 69, 69
RGB Percent	89%, 27%, 27%
CMY	0.1098, 0.7294, 0.7294
CMYK	0.00, 0.70, 0.70, 0.11
HSL	0°, 74%, 58%
HSV	0°, 70%, 89%
XYZ	34.8809, 21.0168, 7.8484
YIQ	116.2420, 94.1680, 33.4960

Conversions

Conversions Part 2

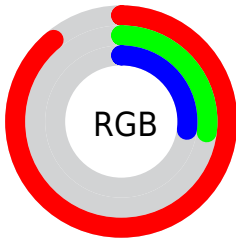
Format	Color
R_YB	227, 69, 69
Decimal	14894405
CIE Lab	52.97, 60.70, 35.68
CIE LCh	53, 70.408, 30.444
Yxy	21.0168, 0.5472, 0.3297
Android (android.graphics.Color)	4293084485 (0xFFE34545)
YUV	116.2420, -23.2903, 97.1348
Hunter-Lab	45.8441, 55.5862, 21.9405

Details

The XYZ color **34.8809, 21.0168, 7.8484** 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 **43.7856, 61.7437, 82.2827**, and the grayscale version is **16.7249, 17.5959, 19.1620**.

A 20% lighter version of the original color is **51.9709, 37.4897, 21.6366**, and **15.4853, 7.9627, 1.6405** is the 20% darker color. If you saturate the color by 10%, you get **33.1667, 18.5089, 4.4404**, and if you desaturate by 10%, it is **37.3991, 24.7023, 12.8535**.

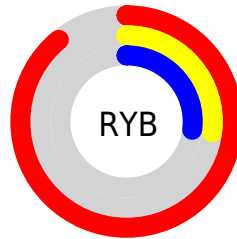
Distribution



Red (89%)

Green (27%)

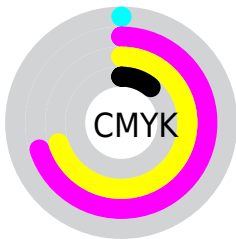
Blue (27%)



Red (89%)

Yellow (27%)

Blue (27%)

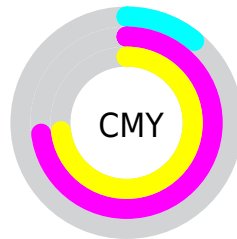


Cyan (0%)

Magenta (70%)

Yellow (70%)

Black (11%)



Cyan (11%)


Magenta (73%)


Yellow (73%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 34.8809, 21.0168, 7.8484 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 34.8809, 21.0168, 7.8484 by changing the saturation by 10% instead.


 34.8809, 21.0168,
7.8484


 34.8809, 21.0168,
7.8484


315.5596,
257.3678, 184.4280


 23.7372, 13.1363,
3.9117


 66.6365, 45.1155,
22.2020

 15.2625, 7.5225,
1.5770


 87.9791, 62.1025,
33.4559

 9.0913, 3.7909,
0.2744

 113.4520, 82.8937,
47.9860

 4.8584, 1.5573,
0.0000

 143.4207,
107.8736, 66.2108

 2.1983, 0.3286,
0.0000

 178.2504,
137.4266, 88.5489

 0.7419, 0.0000,
0.0000

218.3066,

 0.0000, 0.0000,

171.9370, 115.4188

0.0000

263.9545,
211.7892, 147.2390

■ 34.8809, 21.0168,
7.8484

■ 34.8809, 21.0168,
7.8484

■ 33.1667, 18.5089,
4.4404

■ 37.3991, 24.7023,
12.8535

■ 32.1579, 17.0326,
2.4352

■ 40.8019, 29.6816,
19.6180


■ 31.6933, 16.3527,
1.5118


■ 45.1617, 36.0613,
28.2849


■ 31.6786, 16.3311,
1.4826


■ 50.5431, 43.9358,
38.9827

■ 57.0049, 53.3913,
51.8286

 64.6016, 64.5074,
66.9307

 73.3841, 77.3586,
84.3901

 83.3999, 92.0145,
104.3016

 85.4884, 95.0708,
108.4525

Harmonies

Analogous

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



37.7956, 21.0168, 22.5700



34.8809, 21.0168, 7.8484



27.8268, 21.0168, 2.6097

Triad

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



34.8809, 21.0168, 7.8484



9.9983, 21.0168, 8.1189



20.0861, 21.0168, 92.3485

Complementary

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



34.8809, 21.0168, 7.8484



43.7856, 61.7437, 82.2827

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.



13.7607, 21.0168, 79.5824



34.8809, 21.0168, 7.8484



8.8789, 21.0168, 23.2004

Square

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



34.8809, 21.0168, 7.8484



13.6126, 21.0168, 2.6845



10.0679, 21.0168, 50.2780



28.0653, 21.0168, 78.8611

Rectangle

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



34.8809, 21.0168, 7.8484



22.4259, 21.0168, 1.6487



10.0679, 21.0168, 50.2780



17.7111, 21.0168, 90.9293

Sweetspot

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



34.8814, 21.0180, 7.8487



72.8281, 67.4833, 64.7234



47.6716, 26.1332, 75.2044



15.0701, 13.6860, 12.8234



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.



34.8814, 21.0180, 7.8487



42.4233, 22.9917, 4.2815



43.3425, 37.9403, 10.6691



14.3771, 14.3682, 14.9200



18.4752, 9.5245, 0.8647



1.3653, 0.7039, 0.0639

Inverse Universe

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



43.7856, 61.7437, 82.2827



54.7122, 79.1987, 107.0110



26.9093, 27.9911, 76.6573



14.8074, 16.3363, 18.5171



24.1040, 35.2701, 47.9206



1.7812, 2.6064, 3.5412

Previews

White Background



This preview shows how the XYZ color 34.8809, 21.0168, 7.8484 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 34.8809, 21.0168, 7.8484 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 34.8809, 21.0168, 7.8484

Background



This preview shows how black text looks on a background with the XYZ color 34.8809, 21.0168, 7.8484.



This preview shows how white text looks on a background with the XYZ color 34.8809, 21.0168,

7.8484.

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

34.8809, 21.0168, 7.8484

Protanopia

19.7514, 21.2353, 12.7307

Deuteranopia

21.5576, 21.1691, 7.2248



Tritanopia

34.9764, 21.0550, 8.3515

Trichromacy



Original Color

34.8809, 21.0168, 7.8484

Protanomaly

23.2546, 19.4633, 10.5138

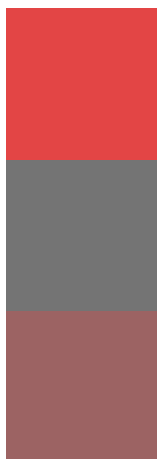
Deuteranomaly

24.9400, 19.8067, 7.2112

Tritanomaly

34.9440, 21.0421, 8.1810

Monochromacy



Original Color

34.8809, 21.0168, 7.8484

Achromatopsia

16.6002, 17.4647, 19.0191

Achromatomaly

20.4243, 16.8925, 13.9885

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.8809, 21.0168, 7.8484 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(227, 69, 69)` looks like.

```
.text, #text, p{  
    color:rgb(227, 69, 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(227, 69, 69) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 69, 69) }
```

Border

The CSS property to change the border of an element to XYZ 34.8809, 21.0168, 7.8484 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(227, 69, 69) }
```


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

```
.border{ border-color:rgb(227, 69, 69) }
```

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

Here you see how a box with a 4 pixel `rgb(227, 69, 69)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 69, 69); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 69, 69);  
box-shadow:4px 4px 4px 4px rgb(227, 69,  
69) }
```

Background

The CSS property to change the background color of an element to XYZ 34.8809, 21.0168, 7.8484 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 69, 69) }
```

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

```
.background{ background-color: rgb(227, 69,  
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](#).

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