

Converting Colors

XYZ(33.5774, 19.6319, 7.6008)

Have a look what the booklet for
XYZ(33.5774, 19.6319, 7.6008)
contains.

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Color

**XYZ(33.4834, 19.6145,
7.6514)**

Conversions

Conversions Part 1

Format	Color
Hex	E03D45
RGB	224, 61, 69
RGB Percent	88%, 24%, 27%
CMY	0.1216, 0.7607, 0.7294
CMYK	0.00, 0.73, 0.69, 0.12
HSL	357°, 72%, 56%
HSV	357°, 73%, 88%
XYZ	33.4834, 19.6145, 7.6514
YIQ	110.6490, 94.5800, 37.0440

Conversions

Conversions Part 2

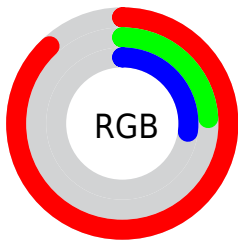
Format	Color
RYB	224, 61, 69
Decimal	14695749
CIELab	51.40, 62.62, 33.67
CIElCh	51, 71.098, 28.268
Yxy	19.6145, 0.5512, 0.3229
Android (android.graphics.Color)	4292885829 (0xFFE03D45)
YUV	110.6490, -20.5330, 99.4088
Hunter-Lab	44.2883, 57.4475, 20.7586

Details

The XYZ color **33.4834, 19.6145, 7.6514** is a dark color, and the websafe version is hex **CC3333**. The color can be described as dark washed red. A complement of this color would be **40.9768, 59.2619, 74.2523**, and the grayscale version is **15.0476, 15.8312, 17.2402**.

A 20% lighter version of the original color is **51.1674, 35.9773, 21.0771**, and **14.8844, 7.6516, 1.6697** is the 20% darker color. If you saturate the color by 10%, you get **31.9804, 17.4838, 4.4529**, and if you desaturate by 10%, it is **35.7235, 22.8403, 12.2663**.

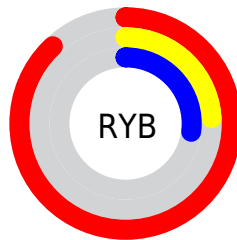
Distribution



Red (88%)

Green (24%)

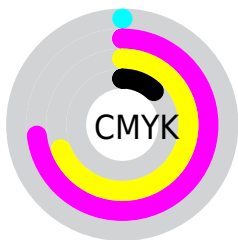
Blue (27%)



Red (88%)

Yellow (24%)

Blue (27%)

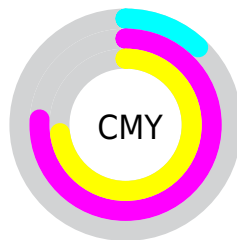


Cyan (0%)

Magenta (73%)

Yellow (69%)

Black (12%)



Cyan (12%)


Magenta (76%)


Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.4834, 19.6145, 7.6514 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 33.4834, 19.6145, 7.6514 by changing the saturation by 10% instead.


 33.4834, 19.6145,
7.6514


 33.4834, 19.6145,
7.6514

309.4490,
249.8205, 182.8029


 22.6580, 12.1151,
3.7882


 64.4791, 42.7699,
21.8069

 14.4605, 6.8221,
1.5099


 85.3802, 59.1948,
32.9363

 8.5255, 3.3511,
0.2253


 110.3706, 79.3635,
47.3248

 4.4876, 1.3177,
0.0000

 139.8156,
103.6607, 65.3909

 1.9815, 0.1548,
0.0000

 174.0805,
132.4705, 87.5533

 0.6235, 0.0000,
0.0000

213.5309,

 0.0000, 0.0000,

166.1775, 114.2304

0.0000

258.5319,
205.1660, 145.8407

■ 33.4834, 19.6145,
7.6514

■ 33.4834, 19.6145,
7.6514

■ 31.9804, 17.4838,
4.4529

■ 35.7235, 22.8403,
12.2663

■ 31.1196, 16.3005,
2.5068


■ 38.7776, 27.2776,
18.4354


■ 30.8005, 15.8713,
1.7560


■ 42.7143, 33.0318,
26.2810

■ 47.5947, 40.1958,
35.9132

■ 53.4743, 48.8542,
47.4324

 60.4044, 59.0849,
60.9319

 68.4328, 70.9604,
76.4986

 77.6044, 84.5488,
94.2142

 84.5503, 94.5872,
108.4086

Harmonies

Analogous

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



35.9441, 19.6145, 22.5634



33.4834, 19.6145, 7.6514



26.8082, 19.6145, 2.3563

Triad

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



33.4834, 19.6145, 7.6514



9.2564, 19.6145, 6.6625



18.2325, 19.6145, 89.3864

Complementary

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



33.4834, 19.6145, 7.6514



40.9768, 59.2619, 74.2523

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.



12.3310, 19.6145, 75.0570



33.4834, 19.6145, 7.6514



8.0354, 19.6145, 20.1941

Square

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



33.4834, 19.6145, 7.6514



12.8828, 19.6145, 2.0942



8.9995, 19.6145, 45.8216



25.9059, 19.6145, 77.8284

Rectangle

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



33.4834, 19.6145, 7.6514



21.5668, 19.6145, 1.3766



8.9995, 19.6145, 45.8216



15.9961, 19.6145, 87.3223

Sweetspot

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



33.4838, 19.6157, 7.6517



72.2596, 66.3085, 64.6501



43.3984, 23.2967, 72.7299



14.9711, 13.4624, 12.8697



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.



33.4838, 19.6157, 7.6517



42.2431, 22.5381, 4.5090



40.1573, 33.3331, 8.7340



13.7343, 13.7114, 14.3712



17.9404, 9.2432, 1.0862



1.2533, 0.6446, 0.1265

Inverse Universe

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



33.4838, 19.6157, 7.6517



42.2431, 22.5381, 4.5090



26.3909, 28.3967, 74.6107



13.7343, 13.7114, 14.3712



17.9404, 9.2432, 1.0862



1.2533, 0.6446, 0.1265

Previews

White Background



This preview shows how the XYZ color 33.4834, 19.6145, 7.6514 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 33.4834, 19.6145, 7.6514 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 33.4834, 19.6145, 7.6514

Background



This preview shows how black text looks on a background with the XYZ color 33.4834, 19.6145, 7.6514.



This preview shows how white text looks on a background with the XYZ color 33.4834, 19.6145,

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

33.4834, 19.6145, 7.6514

Protanopia

18.5304, 19.8442, 12.9789

Deuteranopia

20.1258, 19.7242, 7.0214



Tritanopia

33.3885, 19.6627, 6.8860

Trichromacy



Original Color

33.4834, 19.6145, 7.6514

Protanomaly

21.6745, 17.7538, 10.6720

Deuteranomaly

23.5320, 18.3732, 7.0087

Tritanomaly

33.4465, 19.6859, 7.1912

Monochromacy



Original Color

33.4834, 19.6145, 7.6514

Achromatopsia

15.1092, 15.8961, 17.3108

Achromatomaly

18.9746, 15.3486, 13.0288

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.4834, 19.6145, 7.6514 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(224, 61, 69)` looks like.

```
.text, #text, p{  
    color:rgb(224, 61, 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(224, 61, 69) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 61, 69) }
```

Border

The CSS property to change the border of an element to XYZ 33.4834, 19.6145, 7.6514 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(224, 61, 69) }
```


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

```
.border{ border-color:rgb(224, 61, 69) }
```

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

Here you see how a box with a 4 pixel `rgb(224, 61, 69)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 61, 69); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 61, 69);  
box-shadow:4px 4px 4px 4px rgb(224, 61,  
69) }
```

Background

The CSS property to change the background color of an element to XYZ 33.4834, 19.6145, 7.6514 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 61, 69) }
```

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

```
.background{ background-color: rgb(224, 61,  
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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