

Converting Colors

XYZ(33.9027, 19.3340, 9.7295)

Have a look what the booklet for
XYZ(33.9027, 19.3340, 9.7295)
contains.

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Color

**XYZ(33.9027, 19.3340,
9.7295)**

Conversions

Conversions Part 1

Format	Color
Hex	E13751
RGB	225, 55, 81
RGB Percent	88%, 22%, 32%
CMY	0.1176, 0.7843, 0.6824
CMYK	0.00, 0.76, 0.64, 0.12
HSL	351°, 74%, 55%
HSV	351°, 76%, 88%
XYZ	33.9027, 19.3340, 9.7295
YIQ	108.7940, 92.9740, 44.1260

Conversions

Conversions Part 2

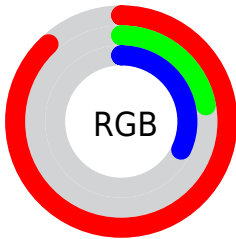
Format	Color
R_{YB}	225, 55, 81
Decimal	14759761
CIE _{Lab}	51.08, 65.48, 26.23
CIE _{LCh}	51, 70.537, 21.833
Yxy	19.3340, 0.5384, 0.3071
Android (android.graphics.Color)	4292949841 (0xFFE13751)
YUV	108.7940, -13.7024, 101.9127
Hunter-Lab	43.9704, 60.6813, 17.6600

Details

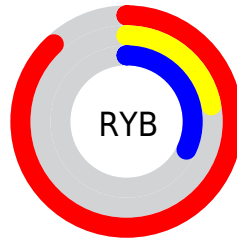
The XYZ color **33.9027, 19.3340, 9.7295** is a dark color, and the websafe version is hex **CC0033**. The color can be described as dark washed red. A complement of this color would be **38.8115, 58.7868, 63.3416**, and the grayscale version is **14.4981, 15.2531, 16.6106**.

A 20% lighter version of the original color is **51.5147, 35.3625, 25.2296**, and **15.2342, 7.8150, 2.4558** is the 20% darker color. If you saturate the color by 10%, you get **32.4494, 17.4155, 6.2001**, and if you desaturate by 10%, it is **36.0442, 22.3085, 14.4782**.

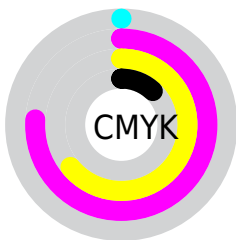
Distribution



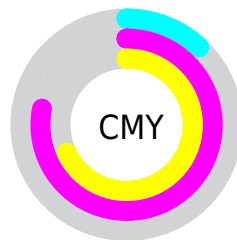
- Red (88%)
- Green (22%)
- Blue (32%)



- Red (88%)
- Yellow (22%)
- Blue (32%)



- Cyan (0%)
- Magenta (76%)
- Yellow (64%)
- Black (12%)





- Cyan (12%)
- Magenta (78%)
- Yellow (68%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.9027, 19.3340, 9.7295 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 33.9027, 19.3340, 9.7295 by changing the saturation by 10% instead.

 33.9027, 19.3340,
9.7295


 33.9027, 19.3340,
9.7295


311.2915,
248.2865, 199.1446


 22.9814, 11.9119,
5.1167


 65.1276, 42.2977,
25.8853


 14.7004, 6.6837,
2.2560


 86.1620, 58.6081,
38.2653


 8.6943, 3.2651,
0.7064


 111.2980, 78.6500,
54.0716

 4.5979, 1.2716,
0.0000

 140.9011,
102.8079, 73.7226

 2.0456, 0.1191,
0.0000

 175.3367,
131.4660, 97.6368

 0.6594, 0.0000,
0.0000

214.9701,

 0.0000, 0.0000,

165.0089, 126.2329

0.0000

260.1665,
203.8210, 159.9293

■ 33.9027, 19.3340,
9.7295

■ 33.9027, 19.3340,
9.7295

■ 32.4494, 17.4155,
6.2001

■ 36.0442, 22.3085,
14.4782

■ 31.5937, 16.3984,
3.7740


■ 38.9466, 26.4591,
20.5452


■ 31.3456, 16.1252,
3.0040


■ 42.6744, 31.8930,
28.0202


■ 47.2849, 38.7047,
36.9848

■ 52.8303, 46.9796,
47.5142

 59.3586, 56.7963,
59.6785

 66.9145, 68.2277,
73.5434

 75.5400, 81.3420,
89.1713

 84.4678, 94.5901,
106.3521

Harmonies

Analogous

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



35.1641, 19.3340, 27.0111



33.9027, 19.3340, 9.7295



28.0039, 19.3340, 2.9679

Triad

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



33.9027, 19.3340, 9.7295



9.7004, 19.3340, 5.0926



16.5312, 19.3340, 86.8342

Complementary

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



33.9027, 19.3340, 9.7295



38.8115, 58.7868, 63.3416

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.



11.2550, 19.3340, 68.1808



33.9027, 19.3340, 9.7295



8.0191, 19.3340, 16.0400

Square

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



33.9027, 19.3340, 9.7295



13.8143, 19.3340, 1.7187



8.5052, 19.3340, 38.8727



23.8462, 19.3340, 80.8741

Rectangle

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



33.9027, 19.3340, 9.7295



22.8969, 19.3340, 1.5649



8.5052, 19.3340, 38.8727



14.4938, 19.3340, 82.9595

Sweetspot

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



33.9032, 19.3351, 9.7298



72.1166, 65.3210, 66.7653



37.8965, 19.9954, 73.0958



14.8066, 13.0381, 13.1086



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.



33.9032, 19.3351, 9.7298



42.3200, 22.1806, 6.1108



37.4994, 27.8002, 7.0056



13.7922, 13.7345, 14.6760



18.0899, 9.3029, 1.8730



1.2808, 0.6556, 0.2717

Inverse Universe

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



33.9032, 19.3351, 9.7298



42.3200, 22.1806, 6.1108



29.2318, 34.3788, 76.3288



13.7922, 13.7345, 14.6760



18.0899, 9.3029, 1.8730



1.2808, 0.6556, 0.2717

Previews

White Background



This preview shows how the XYZ color 33.9027, 19.3340, 9.7295 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 33.9027, 19.3340, 9.7295 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 33.9027, 19.3340, 9.7295

Background



This preview shows how black text looks on a background with the XYZ color 33.9027, 19.3340, 9.7295.



This preview shows how white text looks on a background with the XYZ color 33.9027, 19.3340,

9.7295.

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

33.9027, 19.3340, 9.7295

Protanopia

18.6219, 19.6124, 17.2721

Deuteranopia

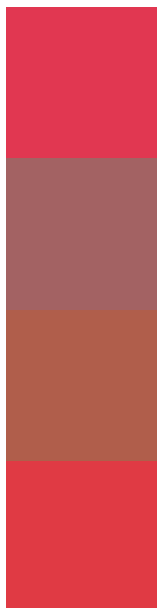
19.7437, 19.4864, 8.8515



Tritanopia

33.1467, 19.3121, 6.3955

Trichromacy



Original Color

33.9027, 19.3340, 9.7295

Protanomaly

21.7241, 17.4227, 14.0223

Deuteranomaly

23.1772, 17.7435, 8.8599

Tritanomaly

33.2969, 19.2908, 7.4374

Monochromacy



Original Color

33.9027, 19.3340, 9.7295

Achromatopsia

14.5356, 15.2926, 16.6537

Achromatomaly

18.5870, 14.6249, 13.6476

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.9027, 19.3340, 9.7295 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(225, 55, 81)` looks like.

```
.text, #text, p{  
    color:rgb(225, 55, 81)  
}
```

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(225, 55, 81) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 55, 81) }
```

Border

The CSS property to change the border of an element to XYZ 33.9027, 19.3340, 9.7295 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(225, 55, 81) }
```


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

```
.border{ border-color:rgb(225, 55, 81) }
```

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

Here you see how a box with a 4 pixel rgb(225, 55, 81) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(225, 55, 81); -webkit-box-  
shadow:4px 4px 4px 4px rgb(225, 55, 81);  
box-shadow:4px 4px 4px 4px rgb(225, 55,  
81) }
```

Background

The CSS property to change the background color of an element to XYZ 33.9027, 19.3340, 9.7295 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 55, 81) }
```

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

```
.background{ background-color: rgb(225, 55,  
81) }
```

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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