

Converting Colors

XYZ(34.0164, 19.2432, 7.7746)

Have a look what the booklet for
XYZ(34.0164, 19.2432, 7.7746)
contains.

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Color

**XYZ(34.0120, 19.2291,
7.7133)**

Conversions

Conversions Part 1

Format	Color
Hex	E33446
RGB	227, 52, 70
RGB Percent	89%, 20%, 27%
CMY	0.1098, 0.7960, 0.7255
CMYK	0.00, 0.77, 0.69, 0.11
HSL	354°, 76%, 55%
HSV	354°, 77%, 89%
XYZ	34.0120, 19.2291, 7.7133
YIQ	106.3770, 98.5220, 42.6980

Conversions

Conversions Part 2

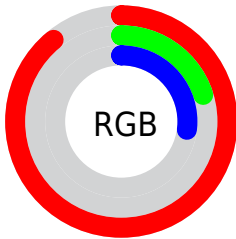
Format	Color
R_{YB}	227, 52, 70
Decimal	14890054
CIE Lab	50.95, 66.38, 32.68
CIE LCh	51, 73.992, 26.214
Yxy	19.2291, 0.5580, 0.3155
Android (android.graphics.Color)	4293080134 (0xFFE33446)
YUV	106.3770, -17.9339, 105.7864
Hunter-Lab	43.8510, 61.7101, 20.2667

Details

The XYZ color **34.0120, 19.2291, 7.7133** 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 **40.3961, 60.2723, 69.8349**, and the grayscale version is **13.8336, 14.5540, 15.8493**.

A 20% lighter version of the original color is **50.4151, 34.3783, 21.1180**, and **15.5077, 7.9716, 1.7582** is the 20% darker color. If you saturate the color by 10%, you get **32.6933, 17.4521, 4.6218**, and if you desaturate by 10%, it is **36.0362, 22.0687, 12.1154**.

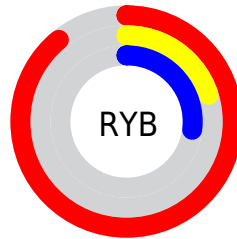
Distribution



Red (89%)

Green (20%)

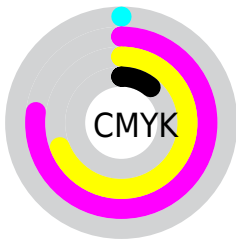
Blue (27%)



Red (89%)

Yellow (20%)

Blue (27%)

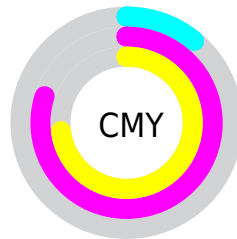


Cyan (0%)

Magenta (77%)

Yellow (69%)

Black (11%)



Cyan (11%)


Magenta (80%)


Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 34.0120, 19.2291, 7.7133 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 34.0120, 19.2291, 7.7133 by changing the saturation by 10% instead.


 34.0120, 19.2291,
7.7133

 34.0120, 19.2291,
7.7133


311.7705,
247.7106, 183.3155


 23.0658, 11.8359,
3.8269


 65.2965, 42.1209,
21.9313


 14.7630, 6.6321,
1.5309


 86.3655, 58.3883,
33.0999

 8.7385, 3.2331,
0.2408


 111.5394, 78.3825,
47.5331

 4.6267, 1.2546,
0.0000

 141.1836,
102.4880, 65.6493

 2.0624, 0.1056,
0.0000

 175.6634,
131.0892, 87.8671

 0.6687, 0.0000,
0.0000

215.3443,

 0.0000, 0.0000,

164.5704, 114.6051

0.0000

260.5916,
203.3161, 146.2817

■ 34.0120, 19.2291,
7.7133

■ 34.0120, 19.2291,
7.7133

■ 32.6933, 17.4521,
4.6218

■ 36.0362, 22.0687,
12.1154

■ 31.9752, 16.5644,
2.6918


■ 38.8460, 26.0988,
17.9524


■ 31.8363, 16.3940,
2.3146


■ 42.5121, 31.4327,
25.3350


■ 47.0969, 38.1696,
34.3627

■ 52.6568, 46.3991,
45.1268

 59.2440, 56.2035,
57.7117

 66.9066, 67.6588,
72.1964

 75.6899, 80.8363,
88.6552

 85.2159, 94.9618,
107.0181

Harmonies

Analogous

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



36.1983, 19.2291, 23.7098



34.0120, 19.2291, 7.7133



27.2617, 19.2291, 2.1362

Triad

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



34.0120, 19.2291, 7.7133



8.9058, 19.2291, 5.5807



17.3640, 19.2291, 92.2802

Complementary

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



34.0120, 19.2291, 7.7133



40.3961, 60.2723, 69.8349

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.



11.5209, 19.2291, 75.3890



34.0120, 19.2291, 7.7133



7.5321, 19.2291, 18.3896

Square

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



34.0120, 19.2291, 7.7133



12.7438, 19.2291, 1.6067



8.3433, 19.2291, 44.2314



25.2161, 19.2291, 81.8086

Rectangle

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



34.0120, 19.2291, 7.7133



21.8355, 19.2291, 1.1263



8.3433, 19.2291, 44.2314



15.1272, 19.2291, 89.4285

Sweetspot

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



34.0124, 19.2303, 7.7136



71.7645, 65.1802, 64.9109



40.7098, 21.2089, 74.6205



14.7239, 13.0050, 12.6729



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.



34.0124, 19.2303, 7.7136



41.8758, 21.8566, 4.2233



38.9062, 29.7944, 6.9509



14.4369, 14.3919, 15.2351



18.5871, 9.5691, 1.4546



1.3940, 0.7153, 0.2151

Inverse Universe

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



34.0124, 19.2303, 7.7136



41.8758, 21.8566, 4.2233



27.8392, 31.3910, 77.2642



14.4369, 14.3919, 15.2351



18.5871, 9.5691, 1.4546



1.3940, 0.7153, 0.2151

Previews

White Background



This preview shows how the XYZ color 34.0120, 19.2291, 7.7133 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 34.0120, 19.2291, 7.7133 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 34.0120, 19.2291, 7.7133

Background



This preview shows how black text looks on a background with the XYZ color 34.0120, 19.2291, 7.7133.



This preview shows how white text looks on a background with the XYZ color 34.0120, 19.2291,

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

34.0120, 19.2291, 7.7133

Protanopia

18.2768, 19.5094, 13.8687

Deuteranopia

19.6387, 19.3011, 6.9654



Tritanopia

33.7586, 19.3488, 5.6968

Trichromacy



Original Color

34.0120, 19.2291, 7.7133

Protanomaly

21.5120, 17.2368, 11.2101

Deuteranomaly

23.1999, 17.6638, 7.0372

Tritanomaly

33.8400, 19.3061, 6.3578

Monochromacy



Original Color

34.0120, 19.2291, 7.7133

Achromatopsia

13.6994, 14.4128, 15.6956

Achromatomaly

17.8812, 13.9299, 12.1022

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.0120, 19.2291, 7.7133 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, 52, 70)` looks like.

```
.text, #text, p{  
    color:rgb(227, 52, 70)  
}
```

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, 52, 70) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 52, 70) }
```

Border

The CSS property to change the border of an element to XYZ 34.0120, 19.2291, 7.7133 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, 52, 70) }
```


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

```
.border{ border-color:rgb(227, 52, 70) }
```

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

Here you see how a box with a 4 pixel `rgb(227, 52, 70)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 52, 70); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 52, 70);  
box-shadow:4px 4px 4px 4px rgb(227, 52,  
70) }
```

Background

The CSS property to change the background color of an element to XYZ 34.0120, 19.2291, 7.7133 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 52, 70) }
```

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

```
.background{ background-color: rgb(227, 52,  
70) }
```

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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