

Converting Colors

XYZ(34.7796, 20.1567, 9.8421)

Have a look what the booklet for
XYZ(34.7796, 20.1567, 9.8421)
contains.

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Color

**XYZ(34.7796, 20.1567,
9.8421)**

Conversions

Conversions Part 1

Format	Color
Hex	E33C51
RGB	227, 60, 81
RGB Percent	89%, 24%, 32%
CMY	0.1098, 0.7647, 0.6824
CMYK	0.00, 0.74, 0.64, 0.11
HSL	352°, 75%, 56%
HSV	352°, 74%, 89%
XYZ	34.7796, 20.1567, 9.8421
YIQ	112.3270, 92.7910, 41.9350

Conversions

Conversions Part 2

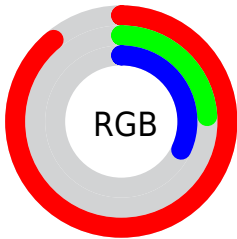
Format	Color
R_{YB}	227, 60, 81
Decimal	14892113
CIE _{Lab}	52.01, 64.47, 27.51
CIE _{LCh}	52, 70.089, 23.108
Yxy	20.1567, 0.5369, 0.3112
Android (android.graphics.Color)	4293082193 (0xFFE33C51)
YUV	112.3270, -15.4442, 100.5682
Hunter-Lab	44.8962, 59.7096, 18.4299

Details

The XYZ color **34.7796, 20.1567, 9.8421** 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 **40.4751, 60.3556, 67.9163**, and the grayscale version is **15.5235, 16.3320, 17.7855**.

A 20% lighter version of the original color is **51.8661, 36.0654, 25.3468**, and **15.6438, 8.0261, 2.4749** is the 20% darker color. If you saturate the color by 10%, you get **33.1961, 18.0120, 6.1636**, and if you desaturate by 10%, it is **37.0911, 23.4100, 14.8364**.

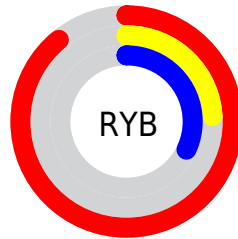
Distribution



Red (89%)

Green (24%)

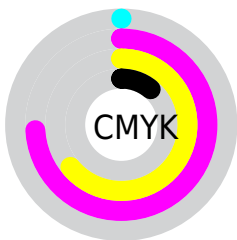
Blue (32%)



Red (89%)

Yellow (24%)

Blue (32%)

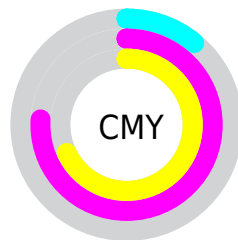


Cyan (0%)

Magenta (74%)

Yellow (64%)

Black (11%)



Cyan (11%)


Magenta (76%)


Yellow (68%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 34.7796, 20.1567, 9.8421 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 34.7796, 20.1567, 9.8421 by changing the saturation by 10% instead.


 34.7796, 20.1567,
9.8421


 34.7796, 20.1567,
9.8421

315.1195,
252.7622, 199.9851


 23.6589, 12.5090,
5.1902


 66.4805, 43.6797,
26.1012


 15.2041, 7.0913,
2.2986


 87.7913, 60.3239,
38.5455

 9.0500, 3.5193,
0.7304


 113.2296, 80.7356,
54.4243

 4.8312, 1.4085,
0.0000

 143.1606,
105.2994, 74.1562

 2.1823, 0.2230,
0.0000

 177.9497,
134.3995, 98.1596

 0.7334, 0.0000,
0.0000

217.9624,

 0.0000, 0.0000,

168.4204, 126.8532

0.0000

263.5639,
207.7465, 160.6555

■ 34.7796, 20.1567,
9.8421

■ 34.7796, 20.1567,
9.8421

■ 33.1961, 18.0120,
6.1636

■ 37.0911, 23.4100,
14.8364

■ 32.2494, 16.8238,
3.6736


■ 40.2045, 27.8911,
21.2555


■ 31.8944, 16.4172,
2.6200


■ 44.1858, 33.7079,
29.1980


■ 49.0939, 40.9552,
38.7535

■ 54.9825, 49.7195,
50.0044

 61.9010, 60.0803,
63.0277

 69.8957, 72.1114,
77.8954

 79.0099, 85.8821,
94.6758

 85.4883, 95.0708,
108.4525

Harmonies

Analogous

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



36.2940, 20.1567, 27.0162



34.7796, 20.1567, 9.8421



28.6476, 20.1567, 3.1214

Triad

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



34.7796, 20.1567, 9.8421



10.1361, 20.1567, 5.7858



17.5563, 20.1567, 88.7834

Complementary

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



34.7796, 20.1567, 9.8421



40.4751, 60.3556, 67.9163

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.



12.0368, 20.1567, 70.8625



34.7796, 20.1567, 9.8421



8.4984, 20.1567, 17.5556

Square

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



34.7796, 20.1567, 9.8421



14.2556, 20.1567, 2.0035



9.0953, 20.1567, 41.2983



25.0731, 20.1567, 81.6870

Rectangle

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



34.7796, 20.1567, 9.8421



23.4348, 20.1567, 1.7219



9.0953, 20.1567, 41.2983



15.4366, 20.1567, 85.2428

Sweetspot

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



34.7801, 20.1579, 9.8424



72.7751, 66.5147, 67.3643



40.5852, 21.7204, 74.7260



15.0900, 13.5099, 13.4959



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.



34.7801, 20.1579, 9.8424



42.5039, 22.5329, 6.2202



39.3610, 30.3905, 8.0681



14.4503, 14.3973, 15.3059



18.6241, 9.5839, 1.6495



1.4004, 0.7179, 0.2488

Inverse Universe

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



34.7801, 20.1579, 9.8424



42.5039, 22.5329, 6.2202



29.3239, 33.6962, 77.6311



14.4503, 14.3973, 15.3059



18.6241, 9.5839, 1.6495



1.4004, 0.7179, 0.2488

Previews

White Background



This preview shows how the XYZ color 34.7796, 20.1567, 9.8421 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 34.7796, 20.1567, 9.8421 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 34.7796, 20.1567, 9.8421

Background



This preview shows how black text looks on a background with the XYZ color 34.7796, 20.1567, 9.8421.



This preview shows how white text looks on a background with the XYZ color 34.7796, 20.1567,

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

34.7796, 20.1567, 9.8421

Protanopia

19.2745, 20.3233, 17.0943

Deuteranopia

20.7154, 20.3369, 8.9645



Tritanopia

34.1249, 20.1171, 7.2387

Trichromacy



Original Color

34.7796, 20.1567, 9.8421

Protanomaly

22.5842, 18.2962, 13.8965

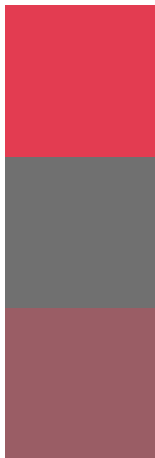
Deuteranomaly

24.2281, 18.8271, 9.0136

Tritanomaly

34.2240, 20.0689, 8.0311

Monochromacy



Original Color

34.7796, 20.1567, 9.8421

Achromatopsia

15.4009, 16.2029, 17.6450

Achromatomaly

19.5897, 15.6383, 14.2979

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.7796, 20.1567, 9.8421 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, 60, 81)` looks like.

```
.text, #text, p{  
    color:rgb(227, 60, 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(227, 60, 81) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 60, 81) }
```

Border

The CSS property to change the border of an element to XYZ 34.7796, 20.1567, 9.8421 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, 60, 81) }
```


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

```
.border{ border-color:rgb(227, 60, 81) }
```

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

Here you see how a box with a 4 pixel rgb(227, 60, 81) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 60, 81); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 60, 81);  
box-shadow:4px 4px 4px 4px rgb(227, 60,  
81) }
```

Background

The CSS property to change the background color of an element to XYZ 34.7796, 20.1567, 9.8421 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 60, 81) }
```

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

```
.background{ background-color: rgb(227, 60,  
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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