

Converting Colors

XYZ(34.8488, 21.6268, 14.6687)

Have a look what the booklet for
XYZ(34.8488, 21.6268, 14.6687)
contains.

XYZ(34.8216, 21.6195, 14.6496)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(34.8216, 21.6195,
14.6496)**

Conversions

Conversions Part 1

Format	Color
Hex	DD4D65
RGB	221, 77, 101
RGB Percent	87%, 30%, 40%
CMY	0.1333, 0.6980, 0.6039
CMYK	0.00, 0.65, 0.54, 0.13
HSL	350°, 68%, 58%
HSV	350°, 65%, 87%
XYZ	34.8216, 21.6195, 14.6496
YIQ	122.7920, 78.1200, 37.9920

Conversions

Conversions Part 2

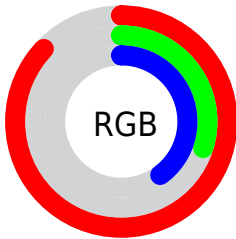
Format	Color
R_{YB}	221, 77, 101
Decimal	14503269
CIE Lab	53.62, 57.68, 17.55
CIE LCh	54, 60.294, 16.925
Yxy	21.6195, 0.4898, 0.3041
Android (android.graphics.Color)	4292693349 (0xFFDD4D65)
YUV	122.7920, -10.7435, 86.1284
Hunter-Lab	46.4968, 52.3099, 13.8674

Details

The XYZ color **34.8216, 21.6195, 14.6496** is a dark color, and the websafe version is hex **CC3366**. The color can be described as dark muted rose. A complement of this color would be **38.9966, 57.3224, 61.8372**, and the grayscale version is **18.7755, 19.7533, 21.5114**.

A 20% lighter version of the original color is **55.2950, 40.3021, 34.5705**, and **15.2194, 7.8145, 4.3206** is the 20% darker color. If you saturate the color by 10%, you get **32.7258, 18.7139, 9.9867**, and if you desaturate by 10%, it is **37.6458, 25.6584, 20.5532**.

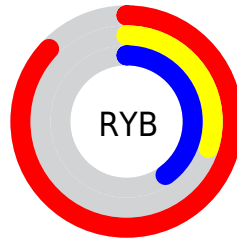
Distribution



Red (87%)

Green (30%)

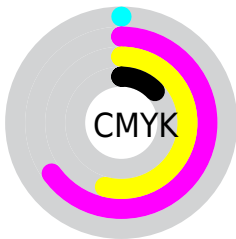
Blue (40%)



Red (87%)

Yellow (30%)

Blue (40%)

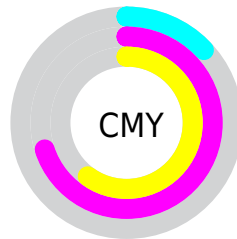


Cyan (0%)

Magenta (65%)

Yellow (54%)

Black (13%)



Cyan (13%)


Magenta (70%)


Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 34.8216, 21.6195, 14.6496 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 34.8216, 21.6195, 14.6496 by changing the saturation by 10% instead.


 34.8216, 21.6195,
14.6496


 34.8216, 21.6195,
14.6496


315.3020,
260.5527, 232.8027


 23.6914, 13.5776,
8.4300


 66.5452, 46.1163,
34.9709

 15.2283, 7.8275,
4.2796


 87.8692, 63.3400,
49.9095

 9.0671, 3.9847,
1.7799


 113.3218, 84.3930,
68.5917

 4.8425, 1.6650,
0.4147

 143.2685,
109.6598, 91.4358

 2.1889, 0.4009,
0.0000

 178.0744,
139.5248, 118.8604

 0.7369, 0.0000,
0.0000

218.1051,

 0.0000, 0.0000,

174.3724, 151.2840

0.0000

263.7259,
214.5869, 189.1253

■ 34.8216, 21.6195,
14.6496

■ 34.8216, 21.6195,
14.6496

■ 32.7258, 18.7139,
9.9867

■ 37.6458, 25.6584,
20.5532

■ 31.2873, 16.8213,
6.4730

■ 41.2570, 30.9279,
27.7778

■ 30.4232, 15.8001,
4.0050

■ 45.7098, 37.5188,
36.3979

■ 30.1498, 15.5045,
3.1393

■ 51.0533, 45.5124,
46.4824

■ 57.3327, 54.9833,
58.0953

■ 64.5903, 66.0010,
71.2968

■ 72.8657, 78.6304,
86.1441

■ 82.1962, 92.9330,
102.6912

■ 83.6286, 94.1121,
108.3655

Harmonies

Analogous

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



35.1287, 21.6195, 32.5108



34.8216, 21.6195, 14.6496



30.2214, 21.6195, 5.9731

Triad

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



34.8216, 21.6195, 14.6496



12.7641, 21.6195, 6.6744



17.8722, 21.6195, 77.7554

Complementary

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



34.8216, 21.6195, 14.6496



38.9966, 57.3224, 61.8372

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.



13.1974, 21.6195, 60.1209



34.8216, 21.6195, 14.6496



10.6911, 21.6195, 16.3927

Square

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



34.8216, 21.6195, 14.6496



17.1496, 21.6195, 3.2996



10.8310, 21.6195, 35.4506



24.3696, 21.6195, 76.3952

Rectangle

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



34.8216, 21.6195, 14.6496



25.7954, 21.6195, 3.6634



10.8310, 21.6195, 35.4506



16.0665, 21.6195, 73.5777

Sweetspot

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



34.8221, 21.6207, 14.6500



74.7794, 69.2243, 72.0372



38.7318, 22.3999, 70.6884



15.4907, 14.0407, 14.4637



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.



34.8221, 21.6207, 14.6500



44.4723, 24.8234, 11.9516



38.4929, 30.5768, 10.8960



13.1441, 13.0867, 14.0201



17.5426, 9.0181, 1.9714



1.1641, 0.5953, 0.2732

Inverse Universe

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



34.8221, 21.6207, 14.6500



44.4723, 24.8234, 11.9516



31.0565, 36.6868, 73.8506



13.1441, 13.0867, 14.0201



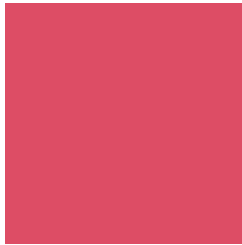
17.5426, 9.0181, 1.9714



1.1641, 0.5953, 0.2732

Previews

White Background



This preview shows how the XYZ color 34.8216, 21.6195, 14.6496 looks on a white background.

Color Contrast Check

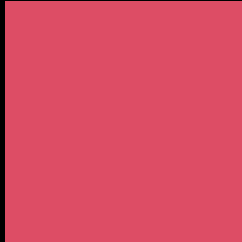
Large Text (above 18pt) WCAG AA ✓ Pass

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 34.8216, 21.6195, 14.6496 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

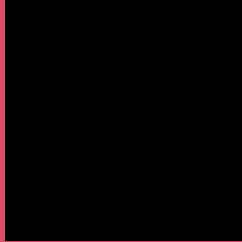
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 34.8216, 21.6195, 14.6496

Background



This preview shows how black text looks on a background with the XYZ color 34.8216, 21.6195, 14.6496.



This preview shows how white text looks on a background with the XYZ color 34.8216, 21.6195,

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

34.8216, 21.6195, 14.6496

Protanopia

20.8451, 21.7700, 22.8420

Deuteranopia

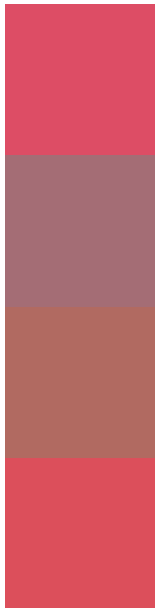
22.0522, 21.6495, 13.6062



Tritanopia

34.0236, 21.6088, 10.9720

Trichromacy



Original Color

34.8216, 21.6195, 14.6496

Protanomaly

23.9894, 20.1141, 19.4477

Deuteranomaly

25.4432, 20.5182, 13.9287

Tritanomaly

34.1995, 21.5629, 12.2571

Monochromacy



Original Color

34.8216, 21.6195, 14.6496

Achromatopsia

18.8265, 19.8069, 21.5697

Achromatomaly

22.5466, 18.9168, 18.6826

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.8216, 21.6195, 14.6496 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(221, 77, 101)` looks like.

```
.text, #text, p{  
    color:rgb(221, 77, 101)  
}
```

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(221, 77, 101) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 77, 101) }
```

Border

The CSS property to change the border of an element to XYZ 34.8216, 21.6195, 14.6496 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(221, 77, 101) }
```


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

```
.border{ border-color:rgb(221, 77, 101) }
```

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

Here you see how a box with a 4 pixel rgb(221, 77, 101) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 77, 101); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 77, 101);  
box-shadow:4px 4px 4px 4px rgb(221, 77,  
101) }
```

Background

The CSS property to change the background color of an element to XYZ 34.8216, 21.6195, 14.6496 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 77, 101) }
```

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

```
.background{ background-color: rgb(221, 77,  
101) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor