

Converting Colors

XYZ(34.8428, 18.2311, 20.7513)

Have a look what the booklet for
XYZ(34.8428, 18.2311, 20.7513)
contains.

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Color

**XYZ(34.8428, 18.2311,
20.7513)**

Conversions

Conversions Part 1

Format	Color
Hex	E01E7C
RGB	224, 30, 124
RGB Percent	88%, 12%, 49%
CMY	0.1216, 0.8823, 0.5137
CMYK	0.00, 0.87, 0.45, 0.12
HSL	331°, 76%, 50%
HSV	331°, 87%, 88%
XYZ	34.8428, 18.2311, 20.7513
YIQ	98.7220, 85.4500, 70.3620

Conversions

Conversions Part 2

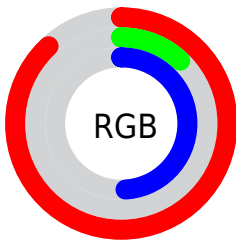
Format	Color
R_{YB}	224, 30, 124
Decimal	14687868
CIE _{Lab}	49.78, 74.33, -1.69
CIE _{LCh}	50, 74.350, 358.698
Yxy	18.2311, 0.4720, 0.2469
Android (android.graphics.Color)	4292877948 (0xFFE01E7C)
YUV	98.7220, 12.4621, 109.8688
Hunter-Lab	42.6979, 70.9402, 1.0734

Details

The XYZ color **34.8428, 18.2311, 20.7513** is a dark color, and the websafe version is hex **CC0066**. The color can be described as dark washed rose. A complement of this color would be **31.2223, 55.1997, 30.1358**, and the grayscale version is **11.7473, 12.3591, 13.4591**.

A 20% lighter version of the original color is **53.8278, 33.8973, 44.7801**, and **16.4088, 8.3083, 7.5763** is the 20% darker color. If you saturate the color by 10%, you get **33.7730, 17.1927, 17.0002**, and if you desaturate by 10%, it is **36.3991, 20.1058, 25.0868**.

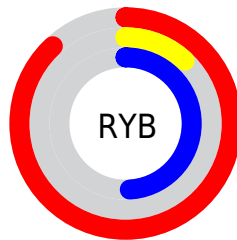
Distribution



Red (88%)

Green (12%)

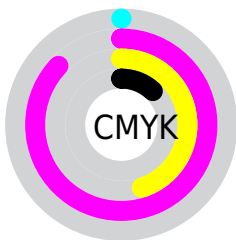
Blue (49%)



Red (88%)

Yellow (12%)

Blue (49%)

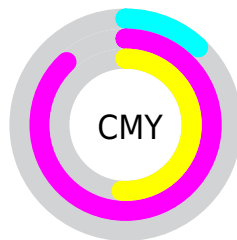


Cyan (0%)

Magenta (87%)

Yellow (45%)

Black (12%)



Cyan (12%)


Magenta (88%)


Yellow (51%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 34.8428, 18.2311, 20.7513 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 34.8428, 18.2311, 20.7513 by changing the saturation by 10% instead.

 34.8428, 18.2311,
20.7513


 34.8428, 18.2311,
20.7513


315.3941,
242.1704, 268.6913


 23.7078, 11.1160,
12.7529


 66.5778, 40.4307,
45.5487

 15.2405, 6.1449,
7.1299


 87.9085, 56.2841,
63.1847


 9.0758, 2.9334,
3.4638


 113.3684, 75.8190,
84.8703

 4.8482, 1.0971,
1.3360

 143.3229, 99.4198,
111.0240

 2.1923, 0.0000,
0.0911

 178.1374,
127.4710, 142.0645

 0.7387, 0.0000,
0.0000

 218.1771,

 0.0000, 0.0000,

160.3569, 178.4102

0.0000

263.8076,
198.4619, 220.4796

■ 34.8428, 18.2311,
20.7513

■ 34.8428, 18.2311,
20.7513

■ 33.7730, 17.1927,
17.0002

■ 36.3991, 20.1058,
25.0868

■ 33.4751, 16.9411,
15.8394

■ 38.5184, 22.9649,
30.0456

■ 41.2627, 26.9286,
35.6618

■ 44.6852, 32.0990,
41.9655

■ 48.8331, 38.5664,
48.9847

■ 53.7491, 46.4125,
56.7453

■ 59.4723, 55.7122,
65.2715

■ 66.0394, 66.5348,
74.5865

■ 73.4844, 78.9454,
84.7122

Harmonies

Analogous

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



31.7814, 18.2311, 47.8297



34.8428, 18.2311, 20.7513



32.2479, 18.2311, 6.3855

Triad

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



34.8428, 18.2311, 20.7513



11.5716, 18.2311, 1.5229



11.1664, 18.2311, 75.3872

Complementary

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



34.8428, 18.2311, 20.7513



31.2223, 55.1997, 30.1358

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.



7.9098, 18.2311, 45.1200



34.8428, 18.2311, 20.7513



8.0950, 18.2311, 5.6907

Square

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



34.8428, 18.2311, 20.7513



17.6398, 18.2311, 0.8032



6.9600, 18.2311, 18.9763



17.0201, 18.2311, 90.0569

Rectangle

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



34.8428, 18.2311, 20.7513



27.9735, 18.2311, 2.5943



6.9600, 18.2311, 18.9763



9.7977, 18.2311, 65.9985

Sweetspot

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



34.8433, 18.2322, 20.7516



72.4004, 62.7372, 76.5752



22.6734, 10.8243, 71.4150



14.9751, 12.5900, 15.5850



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.



34.8433, 18.2322, 20.7516



44.8492, 22.7037, 20.9358



31.4398, 16.8708, 2.8291



13.9825, 13.8106, 15.6781



19.5426, 9.8840, 9.5231



1.3997, 0.7032, 0.8976

Inverse Universe

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



34.8433, 18.2322, 20.7516



44.8492, 22.7037, 20.9358



40.6461, 58.9693, 79.7607



13.9825, 13.8106, 15.6781



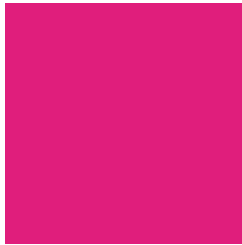
19.5426, 9.8840, 9.5231



1.3997, 0.7032, 0.8976

Previews

White Background



This preview shows how the XYZ color 34.8428, 18.2311, 20.7513 looks on a white 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

Black Background



This preview shows how the XYZ color 34.8428, 18.2311, 20.7513 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 34.8428, 18.2311, 20.7513

Background



This preview shows how black text looks on a background with the XYZ color 34.8428, 18.2311, 20.7513.



This preview shows how white text looks on a background with the XYZ color 34.8428, 18.2311,

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

34.8428, 18.2311, 20.7513

Protanopia

19.3681, 18.5453, 42.6032

Deuteranopia

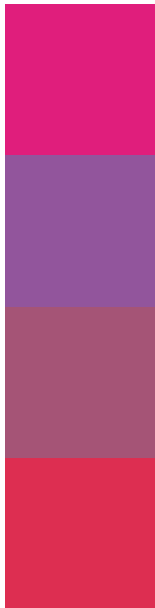
18.7410, 18.4048, 18.7844



Tritanopia

31.6199, 18.2434, 5.7257

Trichromacy



Original Color

34.8428, 18.2311, 20.7513

Protanomaly

21.1033, 15.0083, 33.2371

Deuteranomaly

21.9574, 15.6480, 19.0026

Tritanomaly

32.2810, 17.9202, 9.5421

Monochromacy



Original Color

34.8428, 18.2311, 20.7513

Achromatopsia

11.8596, 12.4772, 13.5877

Achromatomaly

16.6572, 11.9096, 15.6082

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.8428, 18.2311, 20.7513 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, 30, 124)` looks like.

```
.text, #text, p{  
    color:rgb(224, 30, 124)  
}
```

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, 30, 124) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 30, 124) }
```

Border

The CSS property to change the border of an element to XYZ 34.8428, 18.2311, 20.7513 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, 30, 124) }
```


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

```
.border{ border-color:rgb(224, 30, 124) }
```

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

Here you see how a box with a 4 pixel rgb(224, 30, 124) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 30, 124); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 30, 124);  
box-shadow:4px 4px 4px 4px rgb(224, 30,  
124) }
```

Background

The CSS property to change the background color of an element to XYZ 34.8428, 18.2311, 20.7513 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 30, 124) }
```

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

```
.background{ background-color: rgb(224, 30,  
124) }
```

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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