

Converting Colors

XYZ(34.1687, 18.0113, 18.8075)

Have a look what the booklet for
XYZ(34.1687, 18.0113, 18.8075)
contains.

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Color

**XYZ(34.2180, 18.0290,
18.8160)**

Conversions

Conversions Part 1

Format	Color
Hex	DF2076
RGB	223, 32, 118
RGB Percent	87%, 13%, 46%
CMY	0.1255, 0.8744, 0.5373
CMYK	0.00, 0.86, 0.47, 0.13
HSL	333°, 75%, 50%
HSV	333°, 86%, 87%
XYZ	34.2180, 18.0290, 18.8160
YIQ	98.9130, 86.2300, 67.2380

Conversions

Conversions Part 2

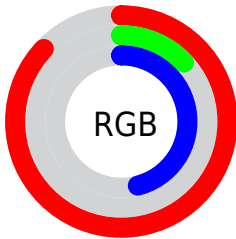
Format	Color
R_{YB}	223, 32, 118
Decimal	14622838
CIE _{Lab}	49.53, 73.23, 1.58
CIE _{LCh}	50, 73.248, 1.240
Yxy	18.0290, 0.4815, 0.2537
Android (android.graphics.Color)	4292812918 (0xFFDF2076)
YUV	98.9130, 9.4099, 108.8243
Hunter-Lab	42.4606, 69.5431, 3.4486

Details

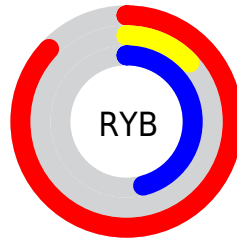
The XYZ color **34.2180, 18.0290, 18.8160** is a dark color, and the websafe version is hex **CC0066**. The color can be described as dark washed rose. A complement of this color would be **31.5007, 54.8894, 32.6085**, and the grayscale version is **11.8021, 12.4167, 13.5218**.

A 20% lighter version of the original color is **53.2471, 33.6650, 41.7218**, and **15.8034, 8.0193, 6.5093** is the 20% darker color. If you saturate the color by 10%, you get **33.1249, 16.9342, 15.0876**, and if you desaturate by 10%, it is **35.8123, 19.9748, 23.1790**.

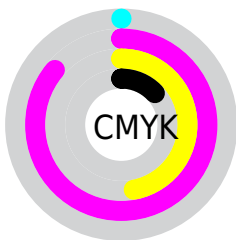
Distribution



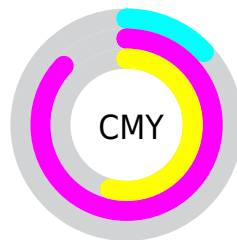
- Red (87%)
- Green (13%)
- Blue (46%)



- Red (87%)
- Yellow (13%)
- Blue (46%)



- Cyan (0%)
- Magenta (86%)
- Yellow (47%)
- Black (13%)





- Cyan (13%)
- Magenta (87%)
- Yellow (54%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 34.2180, 18.0290, 18.8160 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 34.2180, 18.0290, 18.8160 by changing the saturation by 10% instead.

 34.2180, 18.0290,
18.8160


 34.2180, 18.0290,
18.8160


312.6718,
241.0345, 257.8199


 23.2248, 10.9708,
11.3619


 65.6146, 40.0867,
42.2555


 14.8812, 6.0472,
6.1936


 86.7487, 55.8551,
59.0780


 8.8218, 2.8738,
2.8925


 111.9938, 75.2956,
79.8604

 4.6813, 1.0662,
1.0400

 141.7152, 98.7926,
105.0213

 2.0943, 0.0000,
0.0000

 176.2784,
126.7307, 134.9791

 0.6861, 0.0000,
0.0000

 216.0487,

 0.0000, 0.0000,

159.4940, 170.1525

0.0000

261.3914,
197.4672, 210.9599

■ 34.2180, 18.0290,
18.8160

■ 34.2180, 18.0290,
18.8160

■ 33.1249, 16.9342,
15.0876

■ 35.8123, 19.9748,
23.1790

■ 32.7509, 16.6158,
13.6384

■ 37.9804, 22.9113,
28.2173

■ 40.7837, 26.9556,
33.9676

■ 44.2744, 32.2077,
40.4627

■ 48.4993, 38.7561,
47.7327

■ 53.5008, 46.6812,
55.8060

■ 59.3180, 56.0566,
64.7090

■ 65.9871, 66.9507,
74.4670

■ 73.5423, 79.4275,
85.1041

Harmonies

Analogous

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



31.6806, 18.0290, 44.3261



34.2180, 18.0290, 18.8160



31.2481, 18.0290, 5.7412

Triad

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



34.2180, 18.0290, 18.8160



11.1104, 18.0290, 1.7381



11.4888, 18.0290, 75.7250

Complementary

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



34.2180, 18.0290, 18.8160



31.5007, 54.8894, 32.6085

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.



8.0783, 18.0290, 46.8345



34.2180, 18.0290, 18.8160



7.9048, 18.0290, 6.3950

Square

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



34.2180, 18.0290, 18.8160



16.8492, 18.0290, 0.8507



6.9648, 18.0290, 20.4682



17.4261, 18.0290, 87.8858

Rectangle

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



34.2180, 18.0290, 18.8160



26.9104, 18.0290, 2.3734



6.9648, 18.0290, 20.4682



10.0716, 18.0290, 66.9878

Sweetspot

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



34.2185, 18.0300, 18.8163



72.1000, 62.6170, 74.9930



23.6480, 11.4199, 70.7699



14.9043, 12.5617, 15.2120



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.



34.2185, 18.0300, 18.8163



44.3232, 22.4933, 18.1658



31.3979, 17.2034, 3.0336



13.9625, 13.8026, 15.5725



19.3123, 9.7919, 8.3102



1.3833, 0.6966, 0.8112

Inverse Universe

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



34.2185, 18.0300, 18.8163



44.3232, 22.4933, 18.1658



38.6341, 55.0723, 78.4058



13.9625, 13.8026, 15.5725



19.3123, 9.7919, 8.3102



1.3833, 0.6966, 0.8112

Previews

White Background



This preview shows how the XYZ color 34.2180, 18.0290, 18.8160 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 34.2180, 18.0290, 18.8160 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 34.2180, 18.0290, 18.8160

Background



This preview shows how black text looks on a background with the XYZ color 34.2180, 18.0290, 18.8160.



This preview shows how white text looks on a background with the XYZ color 34.2180, 18.0290,

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

34.2180, 18.0290, 18.8160

Protanopia

18.8617, 18.3822, 38.1513

Deuteranopia

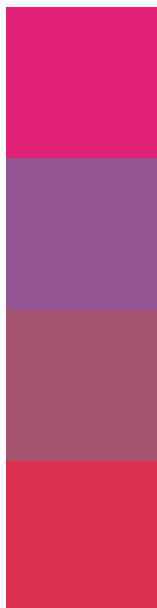
18.6091, 18.2071, 17.0015



Tritanopia

31.5482, 18.1395, 5.5799

Trichromacy



Original Color

34.2180, 18.0290, 18.8160

Protanomaly

20.7057, 14.9967, 29.8203

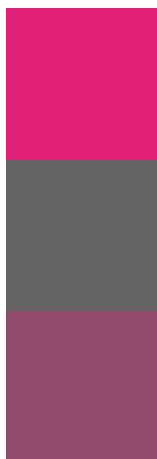
Deuteranomaly

21.8208, 15.6175, 17.1936

Tritanomaly

32.2071, 17.8907, 9.1529

Monochromacy



Original Color

34.2180, 18.0290, 18.8160

Achromatopsia

11.8596, 12.4772, 13.5877

Achromatomaly

16.6192, 12.0021, 15.0764

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.2180, 18.0290, 18.8160 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(223, 32, 118)` looks like.

```
.text, #text, p{  
    color:rgb(223, 32, 118)  
}
```

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(223, 32, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 32, 118) }
```

Border

The CSS property to change the border of an element to XYZ 34.2180, 18.0290, 18.8160 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(223, 32, 118) }
```


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

```
.border{ border-color:rgb(223, 32, 118) }
```

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

Here you see how a box with a 4 pixel rgb(223, 32, 118) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(223, 32, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(223, 32, 118);  
box-shadow:4px 4px 4px 4px rgb(223, 32,  
118) }
```

Background

The CSS property to change the background color of an element to XYZ 34.2180, 18.0290, 18.8160 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(223, 32, 118) }
```

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

```
.background{ background-color: rgb(223, 32,  
118) }
```

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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