

Converting Colors

XYZ(34.2951, 18.3012, 19.6202)

Have a look what the booklet for
XYZ(34.2951, 18.3012, 19.6202)
contains.

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Color

**XYZ(34.2075, 18.2719,
19.4932)**

Conversions

Conversions Part 1

Format	Color
Hex	DE2678
RGB	222, 38, 120
RGB Percent	87%, 15%, 47%
CMY	0.1294, 0.8509, 0.5294
CMYK	0.00, 0.83, 0.46, 0.13
HSL	333°, 74%, 51%
HSV	333°, 83%, 87%
XYZ	34.2075, 18.2719, 19.4932
YIQ	102.3640, 83.3420, 64.5100

Conversions

Conversions Part 2

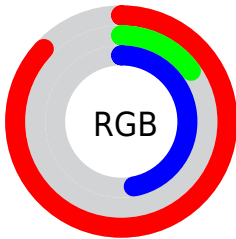
Format	Color
R_{YB}	222, 38, 120
Decimal	14558840
CIE _{Lab}	49.82, 71.93, 0.77
CIE _{LCh}	50, 71.936, 0.613
Yxy	18.2719, 0.4753, 0.2539
Android (android.graphics.Color)	4292748920 (0xFFDE2678)
YUV	102.3640, 8.6945, 104.9208
Hunter-Lab	42.7456, 68.0410, 2.8841

Details

The XYZ color **34.2075, 18.2719, 19.4932** 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 **31.6560, 54.5488, 33.6778**, and the grayscale version is **12.6893, 13.3501, 14.5383**.

A 20% lighter version of the original color is **53.7380, 34.3417, 42.8260**, and **15.8676, 8.0449, 6.8474** is the 20% darker color. If you saturate the color by 10%, you get **32.9972, 16.9709, 15.6384**, and if you desaturate by 10%, it is **35.9374, 20.4584, 23.9952**.

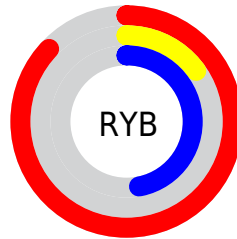
Distribution



Red (87%)

Green (15%)

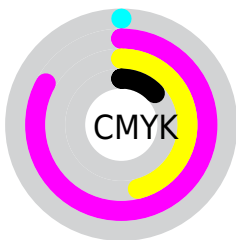
Blue (47%)



Red (87%)

Yellow (15%)

Blue (47%)

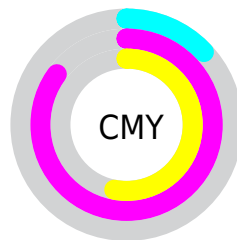


Cyan (0%)

Magenta (83%)

Yellow (46%)

Black (13%)



Cyan (13%)


Magenta (85%)

Yellow (53%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 34.2075, 18.2719, 19.4932 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 34.2075, 18.2719, 19.4932 by changing the saturation by 10% instead.


 34.2075, 18.2719,
19.4932


 34.2075, 18.2719,
19.4932


312.6260,
242.3992, 261.6710


 23.2167, 11.1454,
11.8468


 65.5984, 40.5001,
43.4136


 14.8752, 6.1647,
6.5182


 86.7291, 56.3705,
60.5246


 8.8176, 2.9455,
3.0888


 111.9706, 75.9244,
81.6276

 4.6785, 1.1033,
1.1402

 141.6881, 99.5462,
107.1412

 2.0927, 0.0000,
0.0000

 176.2471,
127.6201, 137.4837

 0.6852, 0.0000,
0.0000

216.0128,

 0.0000, 0.0000,

160.5306, 173.0738

0.0000

261.3506,
198.6622, 214.3301

■ 34.2075, 18.2719,
19.4932

■ 34.2075, 18.2719,
19.4932

■ 32.9972, 16.9709,
15.6384

■ 35.9374, 20.4584,
23.9952


■ 32.3726, 16.4290,
13.2502


■ 38.2542, 23.6597,
29.1835


■ 41.2160, 27.9865,
35.0935


■ 44.8730, 33.5343,
41.7575

■ 49.2701, 40.3881,
49.2051

 54.4484, 48.6255,
57.4642

 60.4456, 58.3178,
66.5610

 67.2973, 69.5313,
76.5204

 75.0365, 82.3285,
87.3663

Harmonies

Analogous

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



31.6066, 18.2719, 44.8320



34.2075, 18.2719, 19.4932



31.3965, 18.2719, 6.1793

Triad

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



34.2075, 18.2719, 19.4932



11.4713, 18.2719, 1.8678



11.6578, 18.2719, 74.4149

Complementary

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



34.2075, 18.2719, 19.4932



31.6560, 54.5488, 33.6778

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.



8.2986, 18.2719, 46.0472



34.2075, 18.2719, 19.4932



8.2125, 18.2719, 6.5063

Square

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



34.2075, 18.2719, 19.4932



17.2260, 18.2719, 0.9769



7.2238, 18.2719, 20.3023



17.5085, 18.2719, 86.7663

Rectangle

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



34.2075, 18.2719, 19.4932



27.1701, 18.2719, 2.6409



7.2238, 18.2719, 20.3023



10.2609, 18.2719, 65.7965

Sweetspot

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



34.2080, 18.2730, 19.4935



72.7983, 63.7799, 75.9462



24.5606, 12.1681, 70.1613



15.0371, 12.7837, 15.3910



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.



34.2080, 18.2730, 19.4935



44.3646, 22.5541, 18.2476



31.4995, 17.7200, 3.5952



13.9598, 13.8015, 15.5583



19.2829, 9.7801, 8.1553



1.3811, 0.6957, 0.8000

Inverse Universe

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



34.2080, 18.2730, 19.4935



44.3646, 22.5541, 18.2476



37.7289, 53.1746, 77.3823



13.9598, 13.8015, 15.5583



19.2829, 9.7801, 8.1553



1.3811, 0.6957, 0.8000

Previews

White Background



This preview shows how the XYZ color 34.2075, 18.2719, 19.4932 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 34.2075, 18.2719, 19.4932 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 34.2075, 18.2719, 19.4932

Background



This preview shows how black text looks on a background with the XYZ color 34.2075, 18.2719, 19.4932.



This preview shows how white text looks on a background with the XYZ color 34.2075, 18.2719,

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

34.2075, 18.2719, 19.4932

Protanopia

19.1871, 18.7133, 38.6772

Deuteranopia

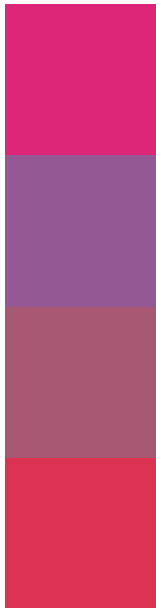
18.8315, 18.4775, 17.6129



Tritanopia

31.5421, 18.4124, 6.1665

Trichromacy



Original Color

34.2075, 18.2719, 19.4932

Protanomaly

21.2099, 15.6106, 30.3290

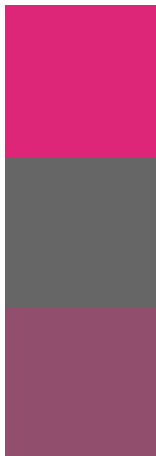
Deuteranomaly

22.1713, 16.1383, 17.8660

Tritanomaly

32.2220, 18.1925, 9.7959

Monochromacy



Original Color

34.2075, 18.2719, 19.4932

Achromatopsia

12.6291, 13.2868, 14.4694

Achromatomaly

17.4104, 12.8071, 16.0224

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.2075, 18.2719, 19.4932 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(222, 38, 120)` looks like.

```
.text, #text, p{  
    color:rgb(222, 38, 120)  
}
```

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(222, 38, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 38, 120) }
```

Border

The CSS property to change the border of an element to XYZ 34.2075, 18.2719, 19.4932 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(222, 38, 120) }
```


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

```
.border{ border-color:rgb(222, 38, 120) }
```

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

Here you see how a box with a 4 pixel rgb(222, 38, 120) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 38, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 38, 120);  
box-shadow:4px 4px 4px 4px rgb(222, 38,  
120) }
```

Background

The CSS property to change the background color of an element to XYZ 34.2075, 18.2719, 19.4932 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 38, 120) }
```

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

```
.background{ background-color: rgb(222, 38,  
120) }
```

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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