

Converting Colors

XYZ(34.3812, 17.9762, 79.1949)

Have a look what the booklet for
XYZ(34.3812, 17.9762, 79.1949)
contains.

XYZ(34.5305, 18.0438, 79.5047)	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>	30

Color

**XYZ(34.5305, 18.0438,
79.5047)**

Conversions

Conversions Part 1

Format	Color
Hex	B236EA
RGB	178, 54, 234
RGB Percent	70%, 21%, 92%
CMY	0.3020, 0.7882, 0.0824
CMYK	0.24, 0.77, 0.00, 0.08
HSL	281°, 81%, 56%
HSV	281°, 77%, 92%
XYZ	34.5305, 18.0438, 79.5047
YIQ	111.5960, 16.1240, 82.2680

Conversions

Conversions Part 2

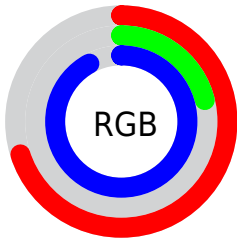
Format	Color
R _Y B	178, 54, 234
Decimal	11679466
CIE Lab	49.55, 74.23, -67.08
CIE LCh	50, 100.052, 317.897
Yxy	18.0438, 0.2614, 0.1366
Android (android.graphics.Color)	4289869546 (0xFFB236EA)
YUV	111.5960, 60.3452, 58.2363
Hunter-Lab	42.4780, 70.7667, -81.2366

Details

The XYZ color **34.5305, 18.0438, 79.5047** is a light color, and the websafe version is hex **9900CC**. The color can be described as light washed purple. A complement of this color would be **36.5194, 62.4273, 13.6154**, and the grayscale version is **15.1101, 15.8970, 17.3118**.

A 20% lighter version of the original color is **59.3272, 37.4318, 98.7059**, and **15.5436, 7.0963, 42.1455** is the 20% darker color. If you saturate the color by 10%, you get **32.0653, 15.5267, 79.1491**, and if you desaturate by 10%, it is **37.6093, 21.6544, 80.0397**.

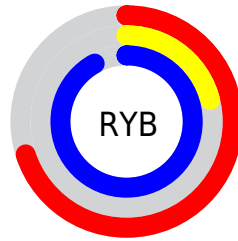
Distribution



Red (70%)

Green (21%)

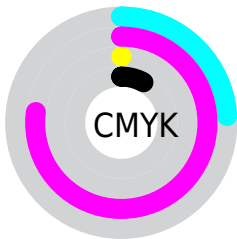
Blue (92%)



Red (70%)

Yellow (21%)

Blue (92%)

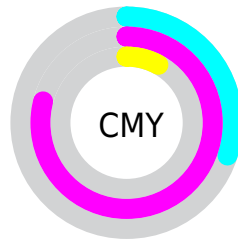


Cyan (24%)

Magenta (77%)

Yellow (0%)

Black (8%)



Cyan (30%)

Magenta (79%)

Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 34.5305, 18.0438, 79.5047 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 34.5305, 18.0438, 79.5047 by changing the saturation by 10% instead.

34.5305, 18.0438,
79.5047

34.5305, 18.0438,
79.5047

314.0355,
241.1178, 512.9248

23.4663, 10.9814,
58.7871

66.0966, 40.1119,
134.4742

15.0608, 6.0544,
42.0229

87.3292, 55.8865,
169.5633

8.9486, 2.8782,
28.7935

112.6820, 75.3339,
210.2798

4.7645, 1.0685,
18.6804

142.5202, 98.8386,
257.0425

2.1431, 0.0000,
11.2651

177.2094,
126.7850, 310.2697

0.7125, 0.0000,
6.1290

217.1147,

0.0000, 0.0000,

159.5573, 370.3802

2.8536

262.6017,
197.5402, 437.7923

■ 0.0000, 0.0000,
1.0204

■ 0.0000, 0.0000,
0.0000

■ 34.5305, 18.0438,
79.5047

■ 34.5305, 18.0438,
79.5047

■ 32.0653, 15.5267,
79.1491

■ 37.6093, 21.6544,
80.0397

■ 30.1246, 13.9303,
78.9433

■ 41.3669, 26.4898,
80.7750

■ 29.5900, 13.5386,
78.8958

■ 45.8618, 32.6646,
81.7299

■ 51.1454, 40.2792,
82.9212

■ 57.2639, 49.4244,
84.3639

■ 64.2599, 60.1835,
86.0719

■ 72.1727, 72.6333,
88.0579

■ 81.0393, 86.8461,
90.3339

■ 87.7536, 96.6081,
91.8643

Harmonies

Analogous

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



23.3805, 18.0438, 122.8795



34.5305, 18.0438, 79.5047



41.8447, 18.0438, 32.7434

Triad

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



34.5305, 18.0438, 79.5047



21.2608, 18.0438, 0.0000



4.9985, 18.0438, 40.4398

Complementary

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



34.5305, 18.0438, 79.5047



36.5194, 62.4273, 13.6154

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.



4.7919, 18.0438, 10.6114



34.5305, 18.0438, 79.5047



12.1383, 18.0438, 0.0000

Square

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



34.5305, 18.0438, 79.5047



32.4954, 18.0438, 0.7828



6.8729, 18.0438, 1.3191



7.6053, 18.0438, 89.3568

Rectangle

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



34.5305, 18.0438, 79.5047



42.2669, 18.0438, 13.3142



6.8729, 18.0438, 1.3191



4.6933, 18.0438, 27.7231

Sweetspot

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



34.5314, 18.0445, 79.5051



72.7118, 64.8201, 103.2869



22.0576, 18.0943, 80.1722



14.9282, 12.9051, 21.9541



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.



34.5314, 18.0445, 79.5051



37.6022, 17.6814, 96.0387



45.7939, 24.3482, 57.5450



15.2325, 15.0651, 19.0273



16.7629, 7.6775, 44.3414



1.4144, 0.6534, 3.4865

Inverse Universe

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



38.0657, 21.2570, 16.8489



43.4902, 22.5717, 12.5102



32.6649, 60.3184, 18.9385



15.2585, 15.1312, 16.6464



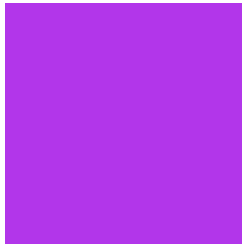
19.7896, 10.1185, 4.6933



1.5958, 0.8113, 0.5889

Previews

White Background



This preview shows how the XYZ color 34.5305, 18.0438, 79.5047 looks on a white background.

Color Contrast Check

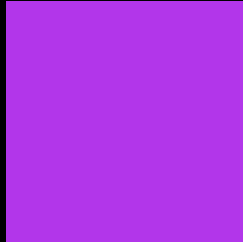
Large Text (above 18pt) WCAG AA ✓ Pass

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 34.5305, 18.0438, 79.5047 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

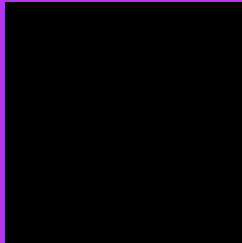
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 34.5305, 18.0438, 79.5047

Background



This preview shows how black text looks on a background with the XYZ color 34.5305, 18.0438, 79.5047.



This preview shows how white text looks on a background with the XYZ color 34.5305, 18.0438,

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

34.5305, 18.0438, 79.5047

Protanopia

21.8945, 18.3855, 85.6139

Tritanopia

21.6664, 17.8976, 17.0645

Trichromacy



Original Color

34.5305, 18.0438, 79.5047



Protanomaly

21.4397, 14.9512, 82.6448



Tritanomaly

24.6819, 16.8629, 32.9643

Monochromacy



Original Color

34.5305, 18.0438, 79.5047



Achromatopsia

15.4009, 16.2029, 17.6450



Achromatomaly

19.8952, 15.1167, 33.3217

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.5305, 18.0438, 79.5047 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(178, 54, 234)` looks like.

```
.text, #text, p{  
    color:rgb(178, 54, 234)  
}
```

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(178, 54, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 54, 234) }
```

Border

The CSS property to change the border of an element to XYZ 34.5305, 18.0438, 79.5047 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(178, 54, 234) }
```

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

```
.border{ border-color:rgb(178, 54, 234) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 54, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 54, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 54, 234);  
box-shadow:4px 4px 4px 4px rgb(178, 54,  
234) }
```


Background

The CSS property to change the background color of an element to XYZ 34.5305, 18.0438, 79.5047 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 54, 234) }
```

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

```
.background{ background-color: rgb(178, 54,  
234) }
```

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