

Converting Colors

XYZ(8.1728, 3.4475, 34.9790)

Have a look what the booklet for
XYZ(8.1728, 3.4475, 34.9790)
contains.

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Color

**XYZ(8.1322, 3.4286,
34.8835)**

Conversions

Conversions Part 1

Format	Color
Hex	3600A3
RGB	54, 0, 163
RGB Percent	21%, 0%, 64%
CMY	0.7882, 1.0000, 0.3608
CMYK	0.67, 1.00, 0.00, 0.36
HSL	260°, 100%, 32%
HSV	260°, 100%, 64%
XYZ	8.1322, 3.4286, 34.8835
YIQ	34.7280, -20.1390, 62.1410

Conversions

Conversions Part 2

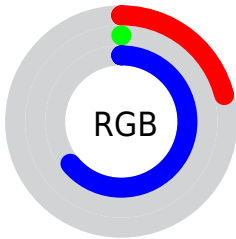
Format	Color
RYB	54, 0, 163
Decimal	3539107
CIELab	21.68, 57.89, -71.88
CIELCh	22, 92.291, 308.847
Yxy	3.4286, 0.1751, 0.0738
Android (android.graphics.Color)	4281729187 (0xFF3600A3)
YUV	34.7280, 63.2381, 16.9015
Hunter-Lab	18.5165, 45.9911, -98.7359

Details

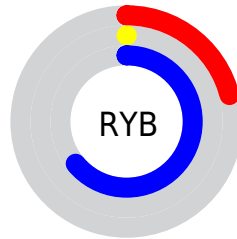
The XYZ color **8.1322, 3.4286, 34.8835** is a dark color, and the websafe version is hex **330099**. A complement of this color would be **19.4031, 29.4453, 4.6609**, and the grayscale version is **1.5305, 1.6102, 1.7535**.

A 20% lighter version of the original color is **21.7910, 12.2339, 68.2307**, and **2.8145, 1.1258, 14.8208** is the 20% darker color. If you saturate the color by 10%, you get **8.1326, 3.4288, 34.8836**, and if you desaturate by 10%, it is **8.9744, 4.1445, 34.9774**.

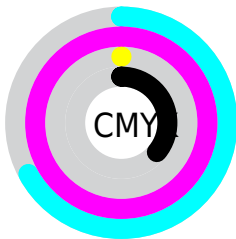
Distribution



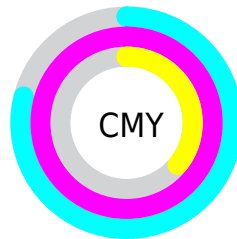
- Red (21%)
- Green (0%)
- Blue (64%)



- Red (21%)
- Yellow (0%)
- Blue (64%)



- Cyan (67%)
- Magenta (100%)
- Yellow (0%)
- Black (36%)



- Cyan (79%)
- Magenta (100%)
- Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 8.1322, 3.4286, 34.8835 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 8.1322, 3.4286, 34.8835 by changing the saturation by 10% instead.

8.1322, 3.4286,
34.8835

8.1322, 3.4286,
34.8835

171.1132,
133.3648, 338.9424

4.2322, 1.3594,
23.2903

21.9001, 12.2972,
68.4548

1.8343, 0.1865,
14.6007

32.4988, 19.8653,
91.2699

0.5382, 0.0000,
8.3961

46.0610, 30.0352,
118.6629

0.0000, 0.0000,
4.2581

62.9521, 43.1912,
151.0520

0.0000, 0.0000,
1.7680

83.5376, 59.7178,
188.8561


0.0000, 0.0000,
0.4067


108.1827, 79.9994,


0.0000, 0.0000,


232.4934


0.0000


 137.2527,
104.4202, 282.3827

 8.1322, 3.4286,
34.8835


 8.1322, 3.4286,
34.8835


 8.1326, 3.4288,
34.8836

 8.9744, 4.1445,
34.9774

 10.1088, 5.2385,
35.1288

 11.6080, 6.8447,
35.3598

 13.5071, 9.0227,
35.6801

 15.8364, 11.8236,
36.0980

■ 18.6231, 15.2929,
36.6207

■ 21.8919, 19.4714,
37.2550

■ 25.6657, 24.3967,
38.0068

■ 29.9658, 30.1038,
38.8817

Harmonies

Analogous

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



4.1899, 3.4286, 51.8363



8.1322, 3.4286, 34.8835



11.6692, 3.4286, 12.9189

Triad

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



8.1322, 3.4286, 34.8835



5.7023, 3.4286, 0.0000



0.0555, 3.4286, 6.7534

Complementary

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



8.1322, 3.4286, 34.8835



19.4031, 29.4453, 4.6609

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.



0.1805, 3.4286, 0.2855



8.1322, 3.4286, 34.8835



2.4769, 3.4286, 0.0000

Square

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



8.1322, 3.4286, 34.8835



9.7816, 3.4286, 0.0000



0.8688, 3.4286, 0.0000



0.5270, 3.4286, 25.2425

Rectangle

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



8.1322, 3.4286, 34.8835



12.5645, 3.4286, 4.0624



0.8688, 3.4286, 0.0000



0.0292, 3.4286, 3.4222

Sweetspot

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



8.1326, 3.4288, 34.8836



38.8574, 34.4206, 66.6520



12.3373, 14.0971, 36.7212



8.1800, 7.0274, 14.8628



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



8.1326, 3.4288, 34.8836



14.3744, 6.0426, 62.4648



16.3022, 7.6404, 35.2660



6.9113, 6.9686, 8.8839



6.3643, 2.6874, 27.1131



0.1820, 0.0813, 0.5720

Inverse Universe

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



17.8643, 8.8905, 15.2406



31.8974, 15.8838, 26.7889



13.6293, 26.4687, 4.3906



7.2641, 7.1621, 8.3769



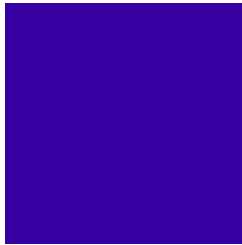
13.9054, 6.9182, 11.9585



0.3126, 0.1535, 0.3589

Previews

White Background



This preview shows how the XYZ color 8.1322, 3.4286, 34.8835 looks on a white background.

Color Contrast Check

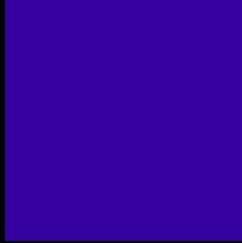
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



This preview shows how the XYZ color 8.1322, 3.4286, 34.8835 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

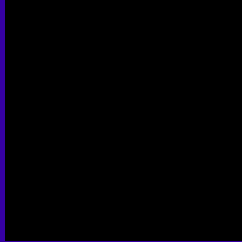
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 8.1322, 3.4286, 34.8835

Background



This preview shows how black text looks on a background with the XYZ color 8.1322, 3.4286, 34.8835.



This preview shows how white text looks on a background with the XYZ color 8.1322, 3.4286, 34.8835.

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

8.1322, 3.4286, 34.8835

Protanopia

4.1423, 3.6939, 15.5336

Deuteranopia

3.5287, 3.7525, 11.3648

Trichromacy



Original Color

8.1322, 3.4286, 34.8835

Protanomaly

4.8898, 2.9045, 21.4220

Deuteranomaly

4.3095, 2.7665, 18.0762

Monochromacy



Original Color

8.1322, 3.4286, 34.8835

Achromatopsia

1.5975, 1.6807, 1.8303

Achromatomaly

2.7647, 1.6753, 8.1603

CSS Examples

Text

The CSS property to change the color of the text to XYZ 8.1322, 3.4286, 34.8835 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(54, 0, 163)` looks like.

```
.text, #text, p{  
    color:rgb(54, 0, 163)  
}
```

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(54, 0, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(54, 0, 163) }
```

Border

The CSS property to change the border of an element to XYZ 8.1322, 3.4286, 34.8835 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(54, 0, 163) }
```

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

```
.border{ border-color:rgb(54, 0, 163) }
```

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

Here you see how a box with a 4 pixel rgb(54, 0, 163) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(54, 0, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(54, 0, 163);  
box-shadow:4px 4px 4px 4px rgb(54, 0, 163)  
}
```


Background

The CSS property to change the background color of an element to XYZ 8.1322, 3.4286, 34.8835 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(54, 0, 163) }
```

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

```
.background{ background-color: rgb(54, 0,  
163) }
```

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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