

Converting Colors

XYZ(16.1968, 8.4507, 26.9708)

Have a look what the booklet for
XYZ(16.1968, 8.4507, 26.9708)
contains.

XYZ(16.3135, 8.5176, 27.1698)	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>	31

Color

**XYZ(16.3135, 8.5176,
27.1698)**

Conversions

Conversions Part 1

Format	Color
Hex	8C1E90
RGB	140, 30, 144
RGB Percent	55%, 12%, 56%
CMY	0.4510, 0.8823, 0.4353
CMYK	0.03, 0.79, 0.00, 0.44
HSL	298°, 66%, 34%
HSV	298°, 79%, 56%
XYZ	16.3135, 8.5176, 27.1698
YIQ	75.8860, 28.9660, 58.7740

Conversions

Conversions Part 2

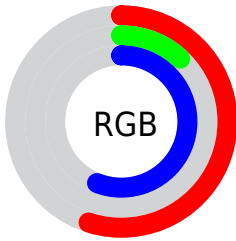
Format	Color
R_{YB}	140, 30, 144
Decimal	9182864
CIE _{Lab}	35.04, 57.88, -37.92
CIE _{LCh}	35, 69.190, 326.770
Yxy	8.5176, 0.3137, 0.1638
Android (android.graphics.Color)	4287372944 (0xFF8C1E90)
YUV	75.8860, 33.5802, 56.2280
Hunter-Lab	29.1849, 48.7025, -34.7668

Details

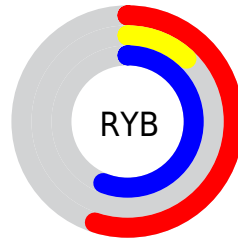
The XYZ color **16.3135, 8.5176, 27.1698** is a dark color, and the websafe version is hex **993399**. A complement of this color would be **10.8676, 20.3805, 4.5897**, and the grayscale version is **6.7862, 7.1396, 7.7750**.

A 20% lighter version of the original color is **36.7087, 22.9270, 55.9167**, and **5.8135, 2.7687, 10.5839** is the 20% darker color. If you saturate the color by 10%, you get **15.9440, 7.9044, 27.0710**, and if you desaturate by 10%, it is **16.8506, 9.4649, 27.3245**.

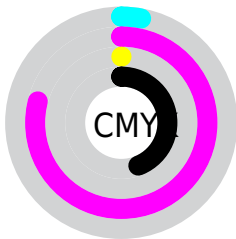
Distribution



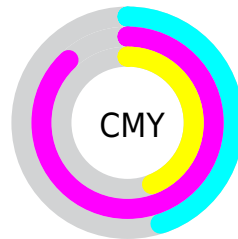
- Red (55%)
- Green (12%)
- Blue (56%)



- Red (55%)
- Yellow (12%)
- Blue (56%)



- Cyan (3%)
- Magenta (79%)
- Yellow (0%)
- Black (44%)



- Cyan (45%)
- Magenta (88%)
- Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.3135, 8.5176, 27.1698 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 16.3135, 8.5176, 27.1698 by changing the saturation by 10% instead.

■ 16.3135, 8.5176,
27.1698

■ 16.3135, 8.5176,
27.1698

224.4188,
179.7373, 302.2645

■ 9.8385, 4.4279,
17.4672

■ 36.6947, 22.9671,
56.1633

■ 5.3535, 1.9157,
10.4027

■ 51.3316, 34.0956,
76.2912

■ 2.4930, 0.5578,
5.5577

■ 69.4198, 48.3393,
100.7314

■ 0.8917, 0.0000,
2.5136

■ 91.3248, 66.0823,
129.9024

■ 0.0000, 0.0000,
0.8474

■ 117.4118, 87.7093,
164.2226

■ 0.0000, 0.0000,
0.0000

■ 148.0462,

113.6045, 204.1107

183.5934,
144.1524, 249.9851

■ 16.3135, 8.5176,
27.1698

■ 16.3135, 8.5176,
27.1698

■ 15.9440, 7.9044,
27.0710

■ 16.8506, 9.4649,
27.3245

■ 15.6930, 7.5279,
27.0116

■ 17.5745, 10.7853,
27.5412

■ 15.6729, 7.4981,
27.0069

■ 18.5027, 12.5139,
27.8259

■ 19.6506, 14.6812,
28.1837

■ 21.0320, 17.3150,
28.6193

■ 22.6596, 20.4407,
29.1368

■ 24.5453, 24.0819,
29.7403

■ 26.7000, 28.2606,
30.4333

■ 29.1342, 32.9976,
31.2193

Harmonies

Analogous

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



12.0466, 8.5176, 45.7253



16.3135, 8.5176, 27.1698



18.3675, 8.5176, 10.5623

Triad

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



16.3135, 8.5176, 27.1698



8.5338, 8.5176, 0.0000



3.0116, 8.5176, 23.0288

Complementary

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



16.3135, 8.5176, 27.1698



10.8676, 20.3805, 4.5897

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.



2.6134, 8.5176, 8.0954



16.3135, 8.5176, 27.1698



5.1196, 8.5176, 0.0000

Square

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



16.3135, 8.5176, 27.1698



13.0446, 8.5176, 0.1773



3.2398, 8.5176, 1.7096



4.5898, 8.5176, 42.2467

Rectangle

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



16.3135, 8.5176, 27.1698



17.8328, 8.5176, 4.2860



3.2398, 8.5176, 1.7096



2.7634, 8.5176, 17.1263

Sweetspot

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



16.3138, 8.5180, 27.1700



38.3808, 33.0038, 50.8855



6.1917, 3.5337, 26.7414



8.5964, 7.1750, 11.6040



69.3244, 72.9347, 79.4259



10.7221, 11.2805, 12.2844

Same Dimension

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



16.3138, 8.5180, 27.1700



27.7896, 13.4504, 47.6695



13.9287, 7.6432, 11.0282



5.6078, 5.5015, 6.7951



13.6524, 6.5317, 23.5183



0.1343, 0.0644, 0.2250

Inverse Universe

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



12.2549, 6.9737, 2.2139



20.4771, 10.6959, 1.4566



12.0055, 20.8214, 11.2305



5.4161, 5.4270, 5.6891



10.0418, 5.1737, 0.6055



0.0972, 0.0500, 0.0122

Previews

White Background



This preview shows how the XYZ color 16.3135, 8.5176, 27.1698 looks on a white background.

Color Contrast Check

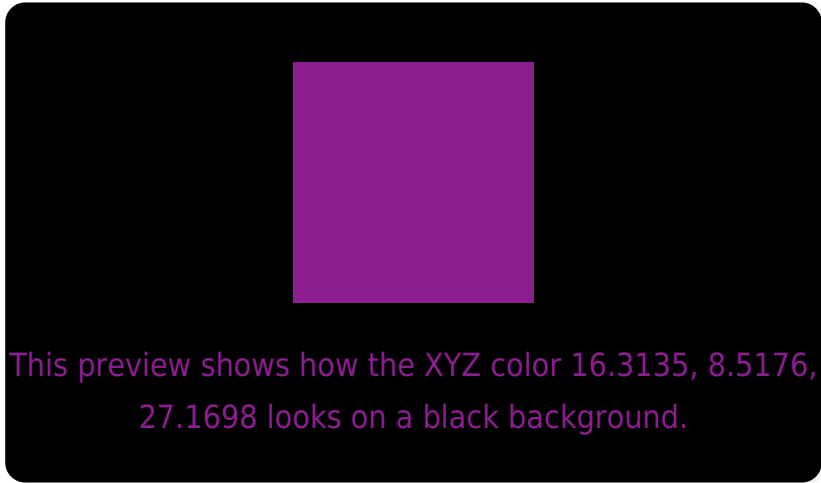
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

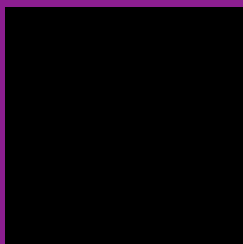
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 16.3135, 8.5176, 27.1698

Background



This preview shows how black text looks on a background with the XYZ color 16.3135, 8.5176, 27.1698.



This preview shows how white text looks on a background with the XYZ color 16.3135, 8.5176,

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

16.3135, 8.5176, 27.1698

Protanopia

10.2931, 8.8251, 39.6890

Deuteranopia

9.0304, 8.8483, 24.5245



Tritanopia

12.0661, 8.6639, 6.1906

Trichromacy



Original Color

16.3135, 8.5176, 27.1698

Protanomaly

9.5209, 6.7223, 34.5139

Deuteranomaly

10.1498, 7.4157, 25.3225

Tritanomaly

12.9925, 8.1577, 11.4795

Monochromacy



Original Color

16.3135, 8.5176, 27.1698

Achromatopsia

6.8694, 7.2272, 7.8704

Achromatomaly

9.0585, 6.7202, 13.1316

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.3135, 8.5176, 27.1698 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(140, 30, 144)` looks like.

```
.text, #text, p{  
    color:rgb(140, 30, 144)  
}
```

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(140, 30, 144) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(140, 30, 144) }
```

Border

The CSS property to change the border of an element to XYZ 16.3135, 8.5176, 27.1698 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(140, 30, 144) }
```


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

```
.border{ border-color:rgb(140, 30, 144) }
```

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

Here you see how a box with a 4 pixel `rgb(140, 30, 144)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(140, 30, 144); -webkit-box-  
shadow:4px 4px 4px 4px rgb(140, 30, 144);  
box-shadow:4px 4px 4px 4px rgb(140, 30,  
144) }
```

Background

The CSS property to change the background color of an element to XYZ 16.3135, 8.5176, 27.1698 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(140, 30, 144) }
```

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

```
.background{ background-color: rgb(140, 30,  
144) }
```

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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