

Converting Colors

XYZ(26.4116, 12.1419, 80.6887)

Have a look what the booklet for
XYZ(26.4116, 12.1419, 80.6887)
contains.

XYZ(26.3101, 12.0894, 80.3037)	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(26.3101, 12.0894,
80.3037)**

Conversions

Conversions Part 1

Format	Color
Hex	8D10EC
RGB	141, 16, 236
RGB Percent	55%, 6%, 93%
CMY	0.4470, 0.9373, 0.0745
CMYK	0.40, 0.93, 0.00, 0.07
HSL	274°, 87%, 49%
HSV	274°, 93%, 93%
XYZ	26.3101, 12.0894, 80.3037
YIQ	78.4550, 3.8800, 94.9200

Conversions

Conversions Part 2

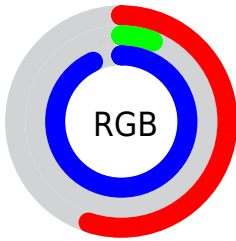
Format	Color
R_{YB}	141, 16, 236
Decimal	9244908
CIE _{Lab}	41.36, 78.63, -81.81
CIE _{LCh}	41, 113.466, 313.865
Yxy	12.0894, 0.2216, 0.1018
Android (android.graphics.Color)	4287434988 (0xFF8D10EC)
YUV	78.4550, 77.6697, 54.8520
Hunter-Lab	34.7698, 74.2227, -112.5962

Details

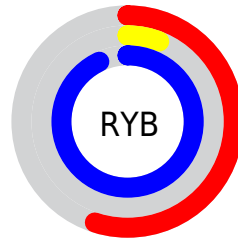
The XYZ color **26.3101, 12.0894, 80.3037** is a dark color, and the websafe version is hex **9933FF**. The color can be described as dark washed purple. A complement of this color would be **36.6438, 63.4077, 10.7977**, and the grayscale version is **7.1848, 7.5590, 8.2318**.

A 20% lighter version of the original color is **45.8968, 26.7560, 97.3531**, and **11.2786, 4.8744, 42.9942** is the 20% darker color. If you saturate the color by 10%, you get **24.9873, 11.1324, 80.1890**, and if you desaturate by 10%, it is **28.6843, 14.1447, 80.5756**.

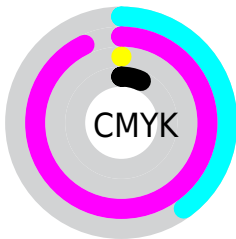
Distribution



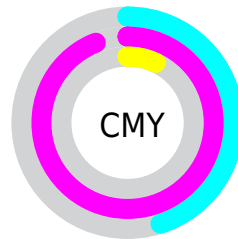
- Red (55%)
- Green (6%)
- Blue (93%)



- Red (55%)
- Yellow (6%)
- Blue (93%)



- Cyan (40%)
- Magenta (93%)
- Yellow (0%)
- Black (7%)



- Cyan (45%)
- Magenta (94%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 26.3101, 12.0894, 80.3037 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 26.3101, 12.0894, 80.3037 by changing the saturation by 10% instead.

■ 26.3101, 12.0894,
80.3037

■ 26.3101, 12.0894,
80.3037

276.5299,
204.9962, 515.6895

■ 17.1897, 6.8046,
59.4407

■ 53.2025, 29.6578,
135.6079

■ 10.4660, 3.3402,
42.5456

■ 71.7052, 42.7102,
170.8861

■ 5.7736, 1.3118,
29.2000

■ 94.0661, 59.1206,
211.8065

■ 2.7473, 0.1503,
18.9853

■ 120.6505, 79.2734,
258.7876

■ 1.0216, 0.0000,
11.4829

■ 151.8236,
103.5530, 312.2478

■ 0.0000, 0.0000,
6.2744

■ 187.9511,

■ 0.0000, 0.0000,

132.3437, 372.6059

2.9412

229.3980,
166.0300, 440.2803

■ 0.0000, 0.0000,
1.0647

■ 0.0000, 0.0000,
0.0000

■ 26.3101, 12.0894,
80.3037

■ 26.3101, 12.0894,
80.3037

■ 24.9873, 11.1324,
80.1890

■ 28.6843, 14.1447,
80.5756

■ 31.7045, 17.2502,
81.0158

■ 35.4524, 21.5625,
81.6506

■ 39.9954, 27.2106,
82.5014

45.3923, 34.3064,
83.5866

51.6955, 42.9498,
84.9227

58.9531, 53.2315,
86.5248

67.2093, 65.2351,
88.4065

76.5055, 79.0382,
90.5808

Harmonies

Analogous

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



15.7141, 12.0894, 124.3479



26.3101, 12.0894, 80.3037



34.3729, 12.0894, 30.1961

Triad

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



26.3101, 12.0894, 80.3037



16.4717, 12.0894, 0.0000



1.9583, 12.0894, 27.2802

Complementary

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



26.3101, 12.0894, 80.3037



36.6438, 63.4077, 10.7977

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.



2.0086, 12.0894, 4.1600



26.3101, 12.0894, 80.3037



8.1010, 12.0894, 0.0000

Square

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



26.3101, 12.0894, 80.3037



27.0874, 12.0894, 0.0000



3.6445, 12.0894, 0.0000



3.4422, 12.0894, 76.1411

Rectangle

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



26.3101, 12.0894, 80.3037



35.6064, 12.0894, 10.3391



3.6445, 12.0894, 0.0000



1.8305, 12.0894, 16.4599

Sweetspot

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



26.3108, 12.0897, 80.3040



65.9006, 57.2095, 102.1769



21.0748, 17.6078, 81.6451



13.3253, 11.1467, 21.6992



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.



26.3108, 12.0897, 80.3040



29.7081, 13.2299, 95.5956



47.8731, 23.4417, 70.6414



15.0504, 14.9713, 19.0188



13.9246, 6.2143, 44.2085



1.2033, 0.5446, 3.4766

Inverse Universe

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



37.6464, 19.3510, 16.7880



44.0603, 22.3881, 16.7818



30.4521, 60.1985, 11.2877



15.3355, 15.1621, 17.0521



20.4493, 10.3824, 8.1672



1.6532, 0.8342, 0.8910

Previews

White Background



This preview shows how the XYZ color 26.3101, 12.0894, 80.3037 looks on a white background.

Color Contrast Check

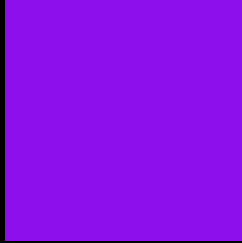
Large Text (above 18pt) WCAG AA ✓ Pass

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 26.3101, 12.0894, 80.3037 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

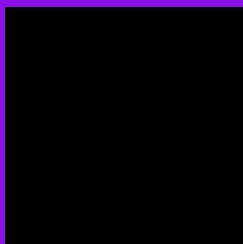
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 26.3101, 12.0894, 80.3037

Background



This preview shows how black text looks on a background with the XYZ color 26.3101, 12.0894, 80.3037.



This preview shows how white text looks on a background with the XYZ color 26.3101, 12.0894,

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

26.3101, 12.0894, 80.3037

Protanopia

14.5175, 12.3545, 56.2631

Deuteranopia

12.1001, 12.2859, 40.7634



Tritanopia

12.8967, 12.1935, 13.7305

Trichromacy



Original Color

26.3101, 12.0894, 80.3037



Protanomaly

15.3237, 9.4043, 63.9584



Deuteranomaly

13.4057, 9.0243, 52.6651



Tritanomaly

15.4835, 10.1615, 29.5791

Monochromacy



Original Color

26.3101, 12.0894, 80.3037



Achromatopsia

7.2414, 7.6185, 8.2966



Achromatomaly

11.1062, 7.2483, 23.7354

CSS Examples

Text

The CSS property to change the color of the text to XYZ 26.3101, 12.0894, 80.3037 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(141, 16, 236)` looks like.

```
.text, #text, p{  
    color:rgb(141, 16, 236)  
}
```

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(141, 16, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(141, 16, 236) }
```

Border

The CSS property to change the border of an element to XYZ 26.3101, 12.0894, 80.3037 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(141, 16, 236) }
```


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

```
.border{ border-color:rgb(141, 16, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(141, 16, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(141, 16, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(141, 16, 236);  
box-shadow:4px 4px 4px 4px rgb(141, 16,  
236) }
```

Background

The CSS property to change the background color of an element to XYZ 26.3101, 12.0894, 80.3037 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(141, 16, 236) }
```

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

```
.background{ background-color: rgb(141, 16,  
236) }
```

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