

Converting Colors

XYZ(27.1147, 16.1748, 31.9854)

Have a look what the booklet for
XYZ(27.1147, 16.1748, 31.9854)
contains.

XYZ(26.9894, 16.1414, 31.8301)	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(26.9894, 16.1414,
31.8301)**

Conversions

Conversions Part 1

Format	Color
Hex	B64299
RGB	182, 66, 153
RGB Percent	71%, 26%, 60%
CMY	0.2863, 0.7412, 0.4000
CMYK	0.00, 0.64, 0.16, 0.29
HSL	315°, 47%, 49%
HSV	315°, 64%, 71%
XYZ	26.9894, 16.1414, 31.8301
YIQ	110.6020, 41.2090, 51.6490

Conversions

Conversions Part 2

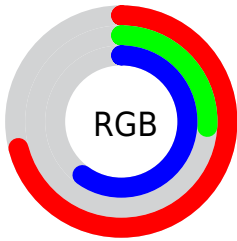
Format	Color
R_{YB}	182, 66, 153
Decimal	11944601
CIE _{Lab}	47.16, 56.40, -23.84
CIE _{LCh}	47, 61.234, 337.087
Yxy	16.1414, 0.3600, 0.2153
Android (android.graphics.Color)	4290134681 (0xFFB64299)
YUV	110.6020, 20.9022, 62.6160
Hunter-Lab	40.1764, 49.6029, -18.8496

Details

The XYZ color **26.9894, 16.1414, 31.8301** is a dark color, and the websafe version is hex **CC3399**. A complement of this color would be **21.0411, 35.4410, 16.5597**, and the grayscale version is **14.9282, 15.7056, 17.1034**.

A 20% lighter version of the original color is **54.4982, 36.9296, 63.9303**, and **11.0025, 5.3949, 13.0318** is the 20% darker color. If you saturate the color by 10%, you get **25.7216, 14.1956, 29.5885**, and if you desaturate by 10%, it is **28.6108, 18.7710, 34.2606**.

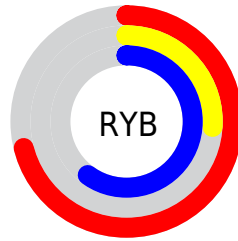
Distribution



Red (71%)

Green (26%)

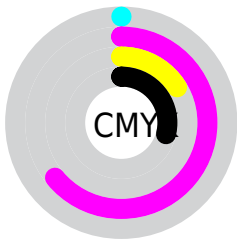
Blue (60%)



Red (71%)

Yellow (26%)

Blue (60%)

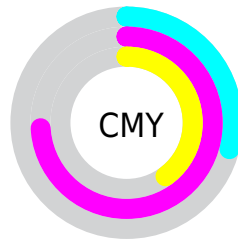


Cyan (0%)

Magenta (64%)

Yellow (16%)

Black (29%)



Cyan (29%)


Magenta (74%)


Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 26.9894, 16.1414, 31.8301 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 26.9894, 16.1414, 31.8301 by changing the saturation by 10% instead.


 26.9894, 16.1414,
31.8301


 26.9894, 16.1414,
31.8301


279.7743,
230.1746, 324.8134


 17.7018, 9.6243,
20.9680


 54.2869, 36.8435,
63.6395


 10.8345, 5.1506,
12.9096


 73.0274, 51.7973,
85.4238

 6.0221, 2.3359,
7.2363


 95.6497, 70.3320,
111.6860

 2.8993, 0.7926,
3.5297

 122.5191, 92.8322,
142.8446

 1.1008, 0.0000,
1.3710

 154.0009,
119.6821, 179.3181

 0.0257, 0.0000,
0.1190

190.4604,

 0.0000, 0.0000,

151.2663, 221.5250

0.0000

232.2631,
187.9690, 269.8839

■ 26.9894, 16.1414,
31.8301

■ 26.9894, 16.1414,
31.8301

■ 25.7216, 14.1956,
29.5885

■ 28.6108, 18.7710,
34.2606

■ 24.7723, 12.8644,
27.5229

■ 30.6135, 22.1401,
36.8895

■ 24.1018, 12.0682,
25.6194

■ 33.0240, 26.3015,
39.7265

■ 23.7710, 11.7369,
24.4912

■ 35.8660, 31.3022,
42.7804

■ 39.1615, 37.1859,
46.0592

■ 42.9307, 43.9930,
49.5703

■ 47.1928, 51.7615,
53.3208

■ 51.9658, 60.5272,
57.3175

■ 57.2668, 70.3240,
61.5667

Harmonies

Analogous

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



22.4696, 16.1414, 53.4221



26.9894, 16.1414, 31.8301



28.0789, 16.1414, 14.1654

Triad

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



26.9894, 16.1414, 31.8301



14.0999, 16.1414, 1.5175



8.4767, 16.1414, 42.2015

Complementary

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



26.9894, 16.1414, 31.8301



21.0411, 35.4410, 16.5597

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.



7.1911, 16.1414, 21.4926



26.9894, 16.1414, 31.8301



9.9077, 16.1414, 2.9469

Square

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



26.9894, 16.1414, 31.8301



19.7358, 16.1414, 1.9688



7.6455, 16.1414, 8.3747



11.6540, 16.1414, 61.4708

Rectangle

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



26.9894, 16.1414, 31.8301



26.5278, 16.1414, 7.2368



7.6455, 16.1414, 8.3747



7.8475, 16.1414, 34.8269

Sweetspot

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



26.9899, 16.1422, 31.8304



67.5566, 61.2545, 80.1313



15.1119, 9.7077, 45.3336



14.5551, 12.8773, 17.3289



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

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



26.9899, 16.1422, 31.8304



45.9584, 24.7580, 52.2775



23.3059, 14.6686, 12.4305



9.2824, 9.1233, 10.8345



16.8143, 8.2995, 17.4409



0.6160, 0.3019, 0.7371

Inverse Universe

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



26.9899, 16.1422, 31.8304



45.9584, 24.7580, 52.2775



24.7252, 36.9146, 35.9599



9.2824, 9.1233, 10.8345



16.8143, 8.2995, 17.4409



0.6160, 0.3019, 0.7371

Previews

White Background



This preview shows how the XYZ color 26.9894, 16.1414, 31.8301 looks on a white background.

Color Contrast Check

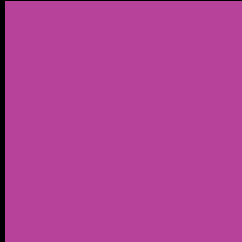
Large Text (above 18pt) WCAG AA ✓ Pass

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 26.9894, 16.1414, 31.8301 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

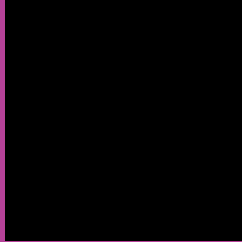
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 26.9894, 16.1414, 31.8301

Background



This preview shows how black text looks on a background with the XYZ color 26.9894, 16.1414, 31.8301.



This preview shows how white text looks on a background with the XYZ color 26.9894, 16.1414,

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

26.9894, 16.1414, 31.8301

Protanopia

18.0695, 16.5315, 50.3826

Deuteranopia

16.6984, 16.4475, 29.4887



Tritanopia

22.8009, 16.1379, 11.3644

Trichromacy



Original Color

26.9894, 16.1414, 31.8301

Protanomaly

19.1753, 14.9219, 42.9439

Deuteranomaly

19.1899, 15.3409, 30.3834

Tritanomaly

23.9386, 15.9426, 17.1448

Monochromacy



Original Color

26.9894, 16.1414, 31.8301

Achromatopsia

15.1092, 15.8961, 17.3108

Achromatomaly

18.1746, 15.0091, 21.6778

CSS Examples

Text

The CSS property to change the color of the text to XYZ 26.9894, 16.1414, 31.8301 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(182, 66, 153)` looks like.

```
.text, #text, p{  
    color:rgb(182, 66, 153)  
}
```

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(182, 66, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(182, 66, 153) }
```

Border

The CSS property to change the border of an element to XYZ 26.9894, 16.1414, 31.8301 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(182, 66, 153) }
```


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

```
.border{ border-color:rgb(182, 66, 153) }
```

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

Here you see how a box with a 4 pixel `rgb(182, 66, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(182, 66, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(182, 66, 153);  
box-shadow:4px 4px 4px 4px rgb(182, 66,  
153) }
```

Background

The CSS property to change the background color of an element to XYZ 26.9894, 16.1414, 31.8301 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(182, 66, 153) }
```

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

```
.background{ background-color: rgb(182, 66,  
153) }
```

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