

Converting Colors

XYZ(16.4137, 12.0715, 27.3289)

Have a look what the booklet for
XYZ(16.4137, 12.0715, 27.3289)
contains.

XYZ(16.3581, 12.0108, 27.4427)	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(16.3581, 12.0108,
27.4427)**

Conversions

Conversions Part 1

Format	Color
Hex	7E4F8F
RGB	126, 79, 143
RGB Percent	49%, 31%, 56%
CMY	0.5059, 0.6902, 0.4392
CMYK	0.12, 0.45, 0.00, 0.44
HSL	284°, 29%, 44%
HSV	284°, 45%, 56%
XYZ	16.3581, 12.0108, 27.4427
YIQ	100.3490, 7.4680, 29.8680

Conversions

Conversions Part 2

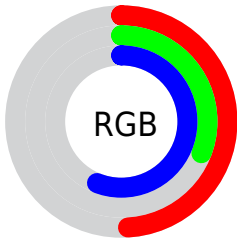
Format	Color
R _Y B	126, 79, 143
Decimal	8277903
CIE Lab	41.23, 31.43, -27.66
CIE LCh	41, 41.862, 318.652
Yxy	12.0108, 0.2931, 0.2152
Android (android.graphics.Color)	4286467983 (0xFF7E4F8F)
YUV	100.3490, 21.0269, 22.4959
Hunter-Lab	34.6566, 23.6039, -22.6889

Details

The XYZ color **16.3581, 12.0108, 27.4427** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **16.0580, 22.6965, 10.9322**, and the grayscale version is **12.1492, 12.7820, 13.9195**.

A 20% lighter version of the original color is **36.7507, 29.4350, 56.5679**, and **5.3499, 3.3016, 10.4805** is the 20% darker color. If you saturate the color by 10%, you get **14.8860, 9.8822, 27.1096**, and if you desaturate by 10%, it is **18.0742, 14.5952, 27.8513**.

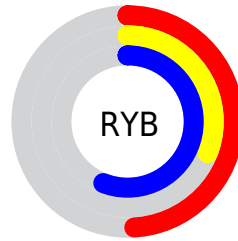
Distribution



Red (49%)

Green (31%)

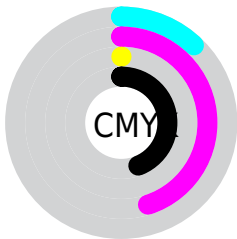
Blue (56%)



Red (49%)

Yellow (31%)

Blue (56%)

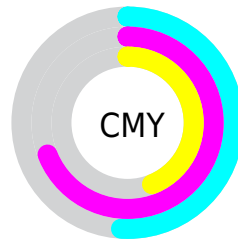


Cyan (12%)

Magenta (45%)

Yellow (0%)

Black (44%)



Cyan (51%)

Magenta (69%)

Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.3581, 12.0108, 27.4427 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 16.3581, 12.0108, 27.4427 by changing the saturation by 10% instead.

■ 16.3581, 12.0108,
27.4427

■ 16.3581, 12.0108,
27.4427

224.6747,
204.4768, 303.6220

■ 9.8704, 6.7510,
17.6706

■ 36.7712, 29.5148,
56.6058

■ 5.3747, 3.3069,
10.5468

■ 51.4273, 42.5278,
76.8339

■ 2.5057, 1.2940,
5.6526

■ 69.5369, 58.8940,
101.3844

■ 0.8982, 0.1365,
2.5697

■ 91.4653, 78.9978,
130.6758

■ 0.0000, 0.0000,
0.8767

■ 117.5780,
103.2235, 165.1268

■ 0.0000, 0.0000,
0.0000

148.2402,

131.9557, 205.1557

183.8173,
165.5787, 251.1813

■ 16.3581, 12.0108,
27.4427

■ 16.3581, 12.0108,
27.4427

■ 14.8860, 9.8822,
27.1096

■ 18.0742, 14.5952,
27.8513

■ 13.6421, 8.1789,
26.8464

■ 20.0463, 17.6602,
28.3389

■ 12.6105, 6.8694,
26.6480

■ 22.2873, 21.2304,
28.9100

■ 11.7725, 5.9165,
26.5083

■ 24.8084, 25.3286,
29.5681

■ 11.1039, 5.2724,
26.4192

■ 27.6207, 29.9760,
30.3169

■ 10.7856, 4.9874,
26.3809

■ 30.7341, 35.1925,
31.1597

■ 34.1584, 40.9973,
32.0997

■ 37.9028, 47.4085,
33.1398

■ 41.9762, 54.4433,
34.2830

Harmonies

Analogous

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



13.3773, 12.0108, 36.0354



16.3581, 12.0108, 27.4427



18.1144, 12.0108, 16.6337

Triad

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



16.3581, 12.0108, 27.4427



12.5980, 12.0108, 2.6056



6.7474, 12.0108, 19.1556

Complementary

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



16.3581, 12.0108, 27.4427



16.0580, 22.6965, 10.9322

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.



6.6134, 12.0108, 10.0685



16.3581, 12.0108, 27.4427



9.6563, 12.0108, 2.7973

Square

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



16.3581, 12.0108, 27.4427



15.7017, 12.0108, 4.1398



7.5853, 12.0108, 4.8759



7.9909, 12.0108, 29.9742

Rectangle

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



16.3581, 12.0108, 27.4427



18.1791, 12.0108, 10.7303



7.5853, 12.0108, 4.8759



6.5804, 12.0108, 15.7447

Sweetspot

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



16.3585, 12.0113, 27.4430



40.5482, 39.0448, 51.9373



12.3718, 12.0239, 27.6555



9.1001, 8.6339, 11.8591



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.



16.3585, 12.0113, 27.4430



26.5645, 17.5650, 48.5283



18.0247, 12.9924, 22.0032



5.4884, 5.4400, 6.7895



9.5568, 4.4203, 23.3266



0.1122, 0.0530, 0.2240

Inverse Universe

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



16.2354, 12.2767, 12.5808



26.5274, 18.2316, 17.5465



15.0647, 22.1144, 14.0491



5.4641, 5.4461, 5.9417



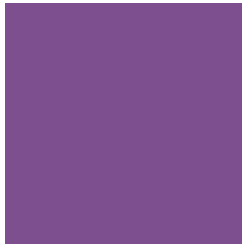
10.3327, 5.2901, 2.1375



0.1069, 0.0538, 0.0631

Previews

White Background



This preview shows how the XYZ color 16.3581, 12.0108, 27.4427 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 16.3581, 12.0108, 27.4427 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 16.3581, 12.0108, 27.4427

Background



This preview shows how black text looks on a background with the XYZ color 16.3581, 12.0108, 27.4427.



This preview shows how white text looks on a background with the XYZ color 16.3581, 12.0108,

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

16.3581, 12.0108, 27.4427

Protanopia

13.0927, 12.2559, 33.5739

Deuteranopia

12.4880, 12.2367, 26.5147



Tritanopia

13.3752, 12.0788, 12.6928

Trichromacy



Original Color

16.3581, 12.0108, 27.4427

Protanomaly

13.8379, 11.9065, 31.2746

Deuteranomaly

13.5009, 11.8321, 26.7715

Tritanomaly

14.3345, 11.9854, 17.1807

Monochromacy



Original Color

16.3581, 12.0108, 27.4427

Achromatopsia

12.1130, 12.7438, 13.8780

Achromatomaly

13.2862, 12.1665, 18.1711

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.3581, 12.0108, 27.4427 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(126, 79, 143)` looks like.

```
.text, #text, p{  
    color:rgb(126, 79, 143)  
}
```

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(126, 79, 143) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(126, 79, 143) }
```

Border

The CSS property to change the border of an element to XYZ 16.3581, 12.0108, 27.4427 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(126, 79, 143) }
```


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

```
.border{ border-color:rgb(126, 79, 143) }
```

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

Here you see how a box with a 4 pixel rgb(126, 79, 143) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(126, 79, 143); -webkit-box-  
shadow:4px 4px 4px 4px rgb(126, 79, 143);  
box-shadow:4px 4px 4px 4px rgb(126, 79,  
143) }
```

Background

The CSS property to change the background color of an element to XYZ 16.3581, 12.0108, 27.4427 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(126, 79, 143) }
```

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

```
.background{ background-color: rgb(126, 79,  
143) }
```

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