

Converting Colors

XYZ(16.1350, 12.9591, 19.9164)

Have a look what the booklet for
XYZ(16.1350, 12.9591, 19.9164)
contains.

XYZ(16.1270, 12.9674, 20.0653)	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(16.1270, 12.9674,
20.0653)**

Conversions

Conversions Part 1

Format	Color
Hex	82577A
RGB	130, 87, 122
RGB Percent	51%, 34%, 48%
CMY	0.4902, 0.6588, 0.5216
CMYK	0.00, 0.33, 0.06, 0.49
HSL	311°, 20%, 43%
HSV	311°, 33%, 51%
XYZ	16.1270, 12.9674, 20.0653
YIQ	103.8470, 14.3930, 20.0010

Conversions

Conversions Part 2

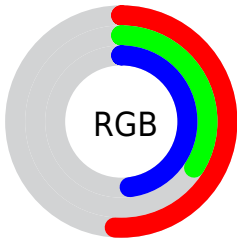
Format	Color
R_{YB}	130, 87, 122
Decimal	8542074
CIE _{Lab}	42.71, 23.73, -12.58
CIE _{LCh}	43, 26.857, 332.065
Yxy	12.9674, 0.3281, 0.2638
Android (android.graphics.Color)	4286732154 (0xFF82577A)
YUV	103.8470, 8.9494, 22.9362
Hunter-Lab	36.0103, 16.9222, -7.8298

Details

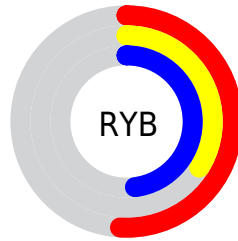
The XYZ color **16.1270, 12.9674, 20.0653** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **13.9793, 18.8182, 13.7228**, and the grayscale version is **13.0917, 13.7735, 14.9994**.

A 20% lighter version of the original color is **36.3528, 31.1377, 44.1386**, and **5.2697, 3.7041, 6.7406** is the 20% darker color. If you saturate the color by 10%, you get **15.0199, 10.9898, 18.9661**, and if you desaturate by 10%, it is **17.4282, 15.3268, 21.2479**.

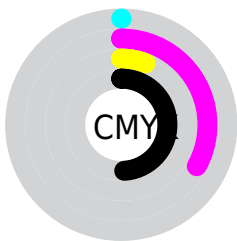
Distribution



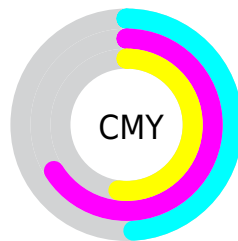
- Red (51%)
- Green (34%)
- Blue (48%)



- Red (51%)
- Yellow (34%)
- Blue (48%)



- Cyan (0%)
- Magenta (33%)
- Yellow (6%)
- Black (49%)



- Cyan (49%)
- Magenta (66%)
- Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.1270, 12.9674, 20.0653 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 16.1270, 12.9674, 20.0653 by changing the saturation by 10% instead.

■ 16.1270, 12.9674,
20.0653

■ 16.1270, 12.9674,
20.0653

223.3456,
210.7086, 264.8843

■ 9.7055, 7.4061,
12.2580

■ 36.3742, 31.2452,
44.3870

■ 5.2649, 3.7173,
6.7950

■ 50.9306, 44.7305,
61.7385

■ 2.4399, 1.5167,
3.2577

■ 68.9294, 61.6259,
83.1085

■ 0.8650, 0.3005,
1.2277

■ 90.7358, 82.3159,
108.9155

■ 0.0000, 0.0000,
0.0014

■ 116.7153,
107.1847, 139.5780

■ 0.0000, 0.0000,
0.0000

147.2332,

136.6168, 175.5146

182.6549,
170.9967, 217.1439

■ 16.1270, 12.9674,
20.0653

■ 16.1270, 12.9674,
20.0653

■ 15.0199, 10.9898,
18.9661

■ 17.4282, 15.3268,
21.2479

■ 14.0954, 9.3719,
17.9459

■ 18.9318, 18.0850,
22.5164

■ 13.3429, 8.0920,
17.0011

■ 20.6469, 21.2604,
23.8740

■ 12.7499, 7.1252,
16.1276

■ 22.5819, 24.8693,
25.3238

■ 12.3024, 6.4436,
15.3204

■ 24.7446, 28.9275,
26.8683

■ 11.9833, 6.0132,
14.5738

■ 27.1424, 33.4498,
28.5103

■ 11.7978, 5.7826,
14.0788

■ 29.7825, 38.4504,
30.2522

■ 32.6717, 43.9428,
32.0965

■ 35.8164, 49.9402,
34.0453

Harmonies

Analogous

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



14.5278, 12.9674, 25.9444



16.1270, 12.9674, 20.0653



16.6771, 12.9674, 13.7182

Triad

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



16.1270, 12.9674, 20.0653



12.1843, 12.9674, 5.6032



9.2899, 12.9674, 20.9649

Complementary

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



16.1270, 12.9674, 20.0653



13.9793, 18.8182, 13.7228

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.



8.8049, 12.9674, 14.5281



16.1270, 12.9674, 20.0653



10.3572, 12.9674, 6.5766

Square

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



16.1270, 12.9674, 20.0653



14.2563, 12.9674, 6.3363



9.1733, 12.9674, 9.4819



10.5768, 12.9674, 26.5566

Rectangle

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



16.1270, 12.9674, 20.0653



16.3310, 12.9674, 10.3045



9.1733, 12.9674, 9.4819



9.0345, 12.9674, 18.7756

Sweetspot

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



16.1274, 12.9680, 20.0656



34.1617, 33.3654, 40.3174



12.1453, 10.8555, 22.5746



7.6552, 7.4096, 9.0636



62.3462, 65.5931, 71.4309



8.4577, 8.8982, 9.6901

Same Dimension

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



16.1274, 12.9680, 20.0656



26.8458, 20.0539, 33.8081



14.9449, 12.4950, 13.8384



4.4649, 4.3991, 5.2528



11.3144, 5.5455, 13.5113



0.0000, 0.0000, 0.0000

Inverse Universe

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



16.1274, 12.9680, 20.0656



26.8458, 20.0539, 33.8081



15.0884, 19.2618, 19.5633



4.4649, 4.3991, 5.2528



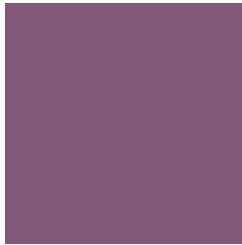
11.3144, 5.5455, 13.5113



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 16.1270, 12.9674, 20.0653 looks on a white background.

Color Contrast Check

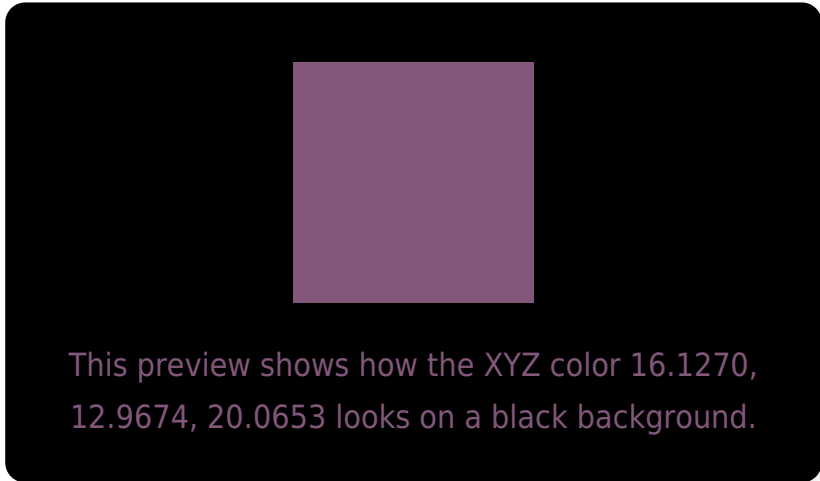
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

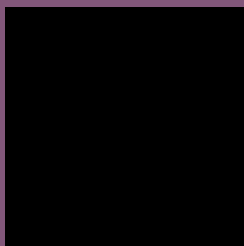
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 16.1270, 12.9674, 20.0653

Background



This preview shows how black text looks on a background with the XYZ color 16.1270, 12.9674, 20.0653.



This preview shows how white text looks on a background with the XYZ color 16.1270, 12.9674,

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

16.1270, 12.9674, 20.0653

Protanopia

13.1681, 13.0802, 23.3034

Deuteranopia

13.3315, 13.1045, 19.5961



Tritanopia

14.8317, 13.0672, 13.5449

Trichromacy



Original Color

16.1270, 12.9674, 20.0653

Protanomaly

13.9323, 12.8071, 22.1598

Deuteranomaly

14.2255, 13.0096, 19.8505

Tritanomaly

15.2121, 12.9631, 15.6103

Monochromacy



Original Color

16.1270, 12.9674, 20.0653

Achromatopsia

13.1579, 13.8432, 15.0752

Achromatomaly

14.0470, 13.3938, 16.8838

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.1270, 12.9674, 20.0653 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(130, 87, 122)` looks like.

```
.text, #text, p{  
    color:rgb(130, 87, 122)  
}
```

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(130, 87, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 87, 122) }
```

Border

The CSS property to change the border of an element to XYZ 16.1270, 12.9674, 20.0653 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(130, 87, 122) }
```


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

```
.border{ border-color:rgb(130, 87, 122) }
```

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

Here you see how a box with a 4 pixel `rgb(130, 87, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(130, 87, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(130, 87, 122);  
box-shadow:4px 4px 4px 4px rgb(130, 87,  
122) }
```

Background

The CSS property to change the background color of an element to XYZ 16.1270, 12.9674, 20.0653 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 87, 122) }
```

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

```
.background{ background-color: rgb(130, 87,  
122) }
```

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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