

Converting Colors

XYZ(12.5614, 6.7152, 12.2279)

Have a look what the booklet for
XYZ(12.5614, 6.7152, 12.2279)
contains.

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Color

**XYZ(12.5229, 6.6860,
12.1858)**

Conversions

Conversions Part 1

Format	Color
Hex	871862
RGB	135, 24, 98
RGB Percent	53%, 9%, 38%
CMY	0.4706, 0.9059, 0.6157
CMYK	0.00, 0.82, 0.27, 0.47
HSL	320°, 70%, 31%
HSV	320°, 82%, 53%
XYZ	12.5229, 6.6860, 12.1858
YIQ	65.6250, 42.4020, 46.5460

Conversions

Conversions Part 2

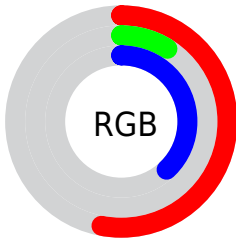
Format	Color
R_{YB}	135, 24, 98
Decimal	8853602
CIE _{Lab}	31.08, 51.49, -15.21
CIE _{LCh}	31, 53.687, 343.545
Yxy	6.6860, 0.3989, 0.2130
Android (android.graphics.Color)	4287043682 (0xFF871862)
YUV	65.6250, 15.9609, 60.8419
Hunter-Lab	25.8573, 41.1987, -9.8416

Details

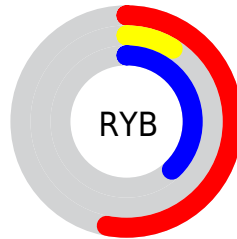
The XYZ color **12.5229, 6.6860, 12.1858** is a dark color, and the websafe version is hex **990066**. A complement of this color would be **9.8834, 17.8593, 7.3423**, and the grayscale version is **5.0926, 5.3578, 5.8346**.

A 20% lighter version of the original color is **30.1803, 19.4110, 30.5898**, and **3.9909, 1.9883, 3.3054** is the 20% darker color. If you saturate the color by 10%, you get **12.1038, 6.1783, 11.0270**, and if you desaturate by 10%, it is **13.0924, 7.4752, 13.4538**.

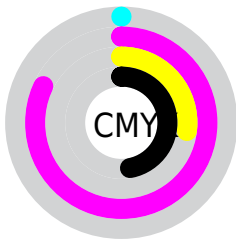
Distribution



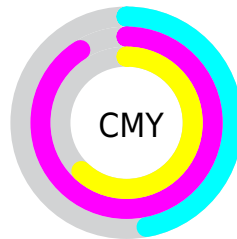
- Red (53%)
- Green (9%)
- Blue (38%)



- Red (53%)
- Yellow (9%)
- Blue (38%)



- Cyan (0%)
- Magenta (82%)
- Yellow (27%)
- Black (47%)



- Cyan (47%)
- Magenta (91%)
- Yellow (62%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.5229, 6.6860, 12.1858 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 12.5229, 6.6860, 12.1858 by changing the saturation by 10% instead.

12.5229, 6.6860,
12.1858

12.5229, 6.6860,
12.1858

201.5370,
165.0285, 216.6529

7.1756, 3.2665,
6.7463

30.0526, 19.3387,
30.5025

3.6194, 1.2724,
3.2279

42.9657, 29.3407,
44.2167

1.4892, 0.1197,
1.2121

59.1314, 42.3056,
61.5263

0.3185, 0.0000,
0.0000

78.9151, 58.6179,
82.8497

0.0000, 0.0000,
0.0000

102.6822, 78.6620,
108.6056

130.7979,

102.8221, 139.2123

163.6277,
131.4829, 175.0886

12.5229, 6.6860,
12.1858

12.5229, 6.6860,
12.1858

12.1038, 6.1783,
11.0270

13.0924, 7.4752,
13.4538

11.8370, 5.8890,
10.1850

13.8298, 8.5808,
14.8375

14.7508, 10.0340,
16.3433

15.8691, 11.8618,
17.9766

17.1971, 14.0885,
19.7424

■ 18.7459, 16.7364,
21.6452

■ 20.5261, 19.8262,
23.6894

■ 22.5473, 23.3770,
25.8791

■ 24.8189, 27.4069,
28.2181

Harmonies

Analogous

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



10.5013, 6.6860, 23.5709



12.5229, 6.6860, 12.1858



12.6274, 6.6860, 4.3938

Triad

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



12.5229, 6.6860, 12.1858



5.2452, 6.6860, 0.0975



3.3553, 6.6860, 22.4540

Complementary

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



12.5229, 6.6860, 12.1858



9.8834, 17.8593, 7.3423

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.



2.6045, 6.6860, 11.2141



12.5229, 6.6860, 12.1858



3.4750, 6.6860, 1.0272

Square

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



12.5229, 6.6860, 12.1858



7.8932, 6.6860, 0.1468



2.6413, 6.6860, 3.9071



5.0306, 6.6860, 31.7774

Rectangle

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



12.5229, 6.6860, 12.1858



11.5534, 6.6860, 1.8598



2.6413, 6.6860, 3.9071



3.0100, 6.6860, 18.5345

Sweetspot

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



12.5231, 6.6864, 12.1859



32.5977, 28.3000, 37.5952



6.6248, 3.3951, 23.2279



7.3524, 6.2174, 8.4650



65.7814, 69.2071, 75.3665



9.5508, 10.0482, 10.9424

Same Dimension

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



12.5231, 6.6864, 12.1859



21.1753, 10.5677, 18.0267



10.7455, 5.9753, 2.8253



4.7936, 4.7371, 5.5256



10.9215, 5.4330, 9.4251



0.0412, 0.0202, 0.0505

Inverse Universe

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



12.5231, 6.6864, 12.1859



21.1753, 10.5677, 18.0267



12.2225, 18.7949, 19.6599



4.7936, 4.7371, 5.5256



10.9215, 5.4330, 9.4251



0.0412, 0.0202, 0.0505

Previews

White Background



This preview shows how the XYZ color 12.5229, 6.6860, 12.1858 looks on a white background.

Color Contrast Check

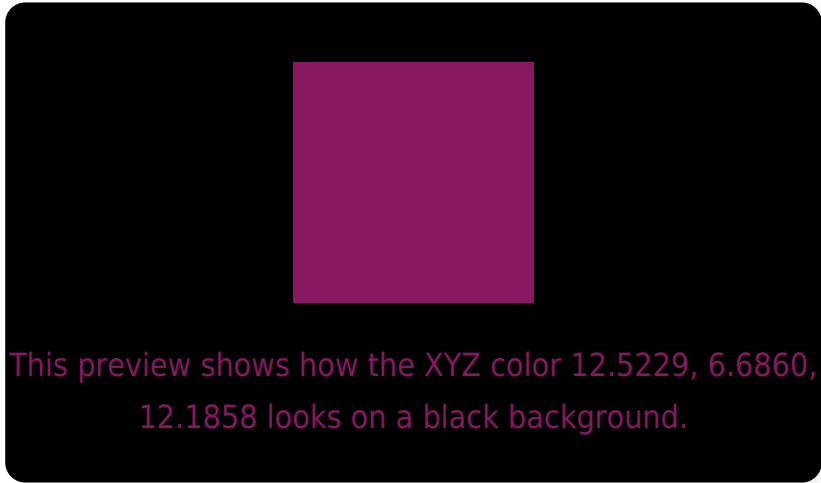
Large Text (above 18pt) WCAG AA ✓ Pass

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

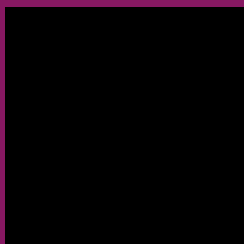
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 12.5229, 6.6860, 12.1858

Background



This preview shows how black text looks on a background with the XYZ color 12.5229, 6.6860, 12.1858.



This preview shows how white text looks on a background with the XYZ color 12.5229, 6.6860,

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

12.5229, 6.6860, 12.1858

Protanopia

7.8123, 7.0672, 23.5066

Deuteranopia

7.0620, 6.9543, 11.0953



Tritanopia

10.7171, 6.7503, 3.3229

Trichromacy



Original Color

12.5229, 6.6860, 12.1858

Protanomaly

7.9593, 5.7326, 18.7762

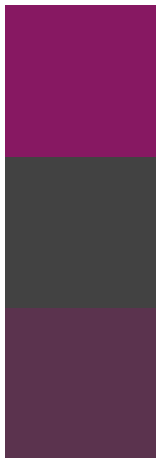
Deuteranomaly

8.2104, 6.0273, 11.3203

Tritanomaly

11.1007, 6.5489, 5.6800

Monochromacy



Original Color

12.5229, 6.6860, 12.1858

Achromatopsia

5.1784, 5.4480, 5.9329

Achromatomaly

6.8734, 5.1419, 7.8379

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.5229, 6.6860, 12.1858 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(135, 24, 98)` looks like.

```
.text, #text, p{  
    color:rgb(135, 24, 98)  
}
```

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(135, 24, 98) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 24, 98) }
```

Border

The CSS property to change the border of an element to XYZ 12.5229, 6.6860, 12.1858 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(135, 24, 98) }
```


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

```
.border{ border-color:rgb(135, 24, 98) }
```

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

Here you see how a box with a 4 pixel rgb(135, 24, 98) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 24, 98); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 24, 98);  
box-shadow:4px 4px 4px 4px rgb(135, 24,  
98) }
```

Background

The CSS property to change the background color of an element to XYZ 12.5229, 6.6860, 12.1858 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 24, 98) }
```

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

```
.background{ background-color: rgb(135, 24,  
98) }
```

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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