

Converting Colors

XYZ(12.1378, 8.9352, 26.9924)

Have a look what the booklet for
XYZ(12.1378, 8.9352, 26.9924)
contains.

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Color

**XYZ(12.1851, 8.9602,
27.0739)**

Conversions

Conversions Part 1

Format	Color
Hex	62468F
RGB	98, 70, 143
RGB Percent	38%, 27%, 56%
CMY	0.6157, 0.7255, 0.4392
CMYK	0.31, 0.51, 0.00, 0.44
HSL	263°, 34%, 42%
HSV	263°, 51%, 56%
XYZ	12.1851, 8.9602, 27.0739
YIQ	86.6940, -6.7450, 28.6390

Conversions

Conversions Part 2

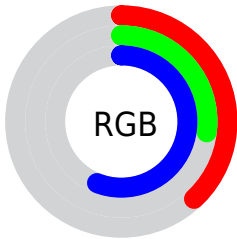
Format	Color
R_{YB}	98, 70, 143
Decimal	6440591
CIE _{Lab}	35.91, 28.38, -36.27
CIE _{LCh}	36, 46.051, 308.039
Yxy	8.9602, 0.2527, 0.1858
Android (android.graphics.Color)	4284630671 (0xFF62468F)
YUV	86.6940, 27.7589, 9.9154
Hunter-Lab	29.9336, 20.2784, -32.6722

Details

The XYZ color **12.1851, 8.9602, 27.0739** is a dark color, and the websafe version is hex **663366**. A complement of this color would be **17.9984, 23.7322, 9.4268**, and the grayscale version is **8.9372, 9.4026, 10.2394**.

A 20% lighter version of the original color is **29.4374, 23.8042, 55.8665**, and **3.4517, 2.0723, 10.3433** is the 20% darker color. If you saturate the color by 10%, you get **10.4955, 6.9158, 26.7685**, and if you desaturate by 10%, it is **14.1932, 11.4853, 27.4556**.

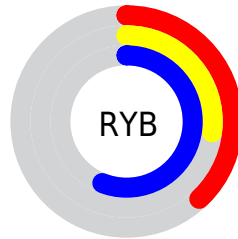
Distribution



Red (38%)

Green (27%)

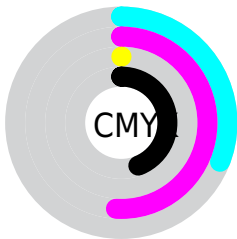
Blue (56%)



Red (38%)

Yellow (27%)

Blue (56%)

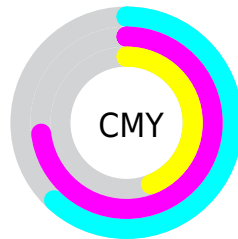


Cyan (31%)

Magenta (51%)

Yellow (0%)

Black (44%)



Cyan (62%)

Magenta (73%)

Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.1851, 8.9602, 27.0739 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 12.1851, 8.9602, 27.0739 by changing the saturation by 10% instead.

■ 12.1851, 8.9602,
27.0739

■ 12.1851, 8.9602,
27.0739

199.3719,
183.0807, 301.7862

■ 6.9430, 4.7152,
17.3958

■ 29.4457, 23.8204,
56.0076

■ 3.4725, 2.0812,
10.3522

■ 42.1949, 35.2045,
76.1003

■ 1.4083, 0.6540,
5.5244

■ 58.1772, 49.7370,
100.5016

■ 0.2621, 0.0000,
2.4941

■ 77.7578, 67.8024,
129.6301

■ 0.0000, 0.0000,
0.8370

■ 101.3023, 89.7851,
163.9042

■ 0.0000, 0.0000,
0.0000

129.1759,

116.0694, 203.7426

161.7440,
147.0398, 249.5638

■ 12.1851, 8.9602,
27.0739

■ 12.1851, 8.9602,
27.0739

■ 10.4955, 6.9158,
26.7685

■ 14.1932, 11.4853,
27.4556

■ 9.1046, 5.3187,
26.5335

■ 16.5358, 14.5195,
27.9178

■ 7.9918, 4.1325,
26.3632

■ 19.2291, 18.0901,
28.4651

■ 7.1328, 3.3143,
26.2506

■ 22.2878, 22.2221,
29.1014

■ 6.5253, 2.7912,
26.1816

■ 25.7256, 26.9390,
29.8307

■ 29.5558, 32.2628,
30.6564

■ 33.7906, 38.2145,
31.5820

■ 38.4420, 44.8139,
32.6106

■ 43.5213, 52.0800,
33.7454

Harmonies

Analogous

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



9.2732, 8.9602, 33.5568



12.1851, 8.9602, 27.0739



14.3837, 8.9602, 16.5417

Triad

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



12.1851, 8.9602, 27.0739



10.6383, 8.9602, 1.3939



4.2985, 8.9602, 12.0175

Complementary

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



12.1851, 8.9602, 27.0739



17.9984, 23.7322, 9.4268

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.



4.5111, 8.9602, 5.1382



12.1851, 8.9602, 27.0739



7.8020, 8.9602, 1.1513

Square

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



12.1851, 8.9602, 27.0739



13.3657, 8.9602, 3.1075



5.6696, 8.9602, 2.0524



5.0098, 8.9602, 22.2897

Rectangle

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



12.1851, 8.9602, 27.0739



14.9272, 8.9602, 10.2806



5.6696, 8.9602, 2.0524



4.2678, 8.9602, 9.2498

Sweetspot

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



12.1855, 8.9605, 27.0741



37.4934, 36.5111, 51.6093



13.6167, 15.5509, 28.2707



8.3613, 8.0530, 11.7859



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.



12.1855, 8.9605, 27.0741



18.4580, 11.9876, 47.8790



17.0571, 11.4720, 27.3021



5.3130, 5.3495, 6.7813



5.7917, 2.4793, 23.1504



0.0786, 0.0357, 0.2224

Inverse Universe

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



16.6126, 11.4581, 17.5559



27.5697, 17.1413, 27.6817



14.1126, 21.7290, 9.2450



5.5398, 5.4764, 6.3403



11.5892, 5.7927, 8.7540



0.1216, 0.0597, 0.1405

Previews

White Background



This preview shows how the XYZ color 12.1851, 8.9602, 27.0739 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



This preview shows how the XYZ color 12.1851, 8.9602, 27.0739 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

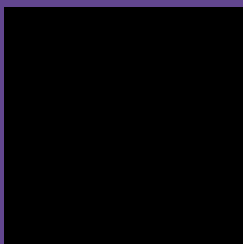
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 12.1851, 8.9602, 27.0739

Background



This preview shows how black text looks on a background with the XYZ color 12.1851, 8.9602, 27.0739.



This preview shows how white text looks on a background with the XYZ color 12.1851, 8.9602,

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

12.1851, 8.9602, 27.0739

Protanopia

10.1526, 9.0295, 32.2181

Deuteranopia

9.2487, 9.0434, 26.0690



Tritanopia

8.9632, 8.9994, 10.9375

Trichromacy



Original Color

12.1851, 8.9602, 27.0739

Protanomaly

10.5571, 8.8414, 30.4283

Deuteranomaly

9.9911, 8.8537, 26.3816

Tritanomaly

9.8983, 8.8282, 15.6503

Monochromacy



Original Color

12.1851, 8.9602, 27.0739

Achromatopsia

9.0590, 9.5307, 10.3790

Achromatomaly

9.9107, 9.1705, 15.1577

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.1851, 8.9602, 27.0739 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(98, 70, 143)` looks like.

```
.text, #text, p{  
    color:rgb(98, 70, 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(98, 70, 143) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(98, 70, 143) }
```

Border

The CSS property to change the border of an element to XYZ 12.1851, 8.9602, 27.0739 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(98, 70, 143) }
```


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

```
.border{ border-color:rgb(98, 70, 143) }
```

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

Here you see how a box with a 4 pixel `rgb(98, 70, 143)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(98, 70, 143); -webkit-box-  
shadow:4px 4px 4px 4px rgb(98, 70, 143);  
box-shadow:4px 4px 4px 4px rgb(98, 70,  
143) }
```

Background

The CSS property to change the background color of an element to XYZ 12.1851, 8.9602, 27.0739 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(98, 70, 143) }
```

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

```
.background{ background-color: rgb(98, 70,  
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](#).

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