

Converting Colors

XYZ(8.4101, 4.0710, 12.7441)

Have a look what the booklet for
XYZ(8.4101, 4.0710, 12.7441)
contains.

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Color

**XYZ(8.4232, 4.0871,
12.6569)**

Conversions

Conversions Part 1

Format	Color
Hex	6B0165
RGB	107, 1, 101
RGB Percent	42%, 0%, 40%
CMY	0.5804, 0.9960, 0.6039
CMYK	0.00, 0.99, 0.06, 0.58
HSL	303°, 98%, 21%
HSV	303°, 99%, 42%
XYZ	8.4232, 4.0871, 12.6569
YIQ	44.0940, 31.0760, 53.5720

Conversions

Conversions Part 2

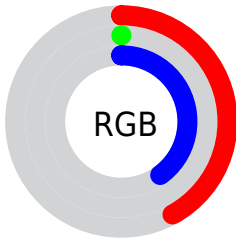
Format	Color
R_{YB}	107, 1, 101
Decimal	7012709
CIE _{Lab}	23.96, 50.69, -28.72
CIE _{LCh}	24, 58.259, 330.468
Yxy	4.0871, 0.3347, 0.1624
Android (android.graphics.Color)	4285202789 (0xFF6B0165)
YUV	44.0940, 28.0547, 55.1686
Hunter-Lab	20.2166, 38.9927, -22.9678

Details

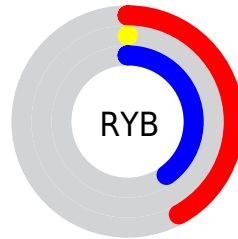
The XYZ color **8.4232, 4.0871, 12.6569** is a dark color, and the websafe version is hex **660066**. A complement of this color would be **5.3087, 10.5373, 1.9554**, and the grayscale version is **2.3747, 2.4984, 2.7208**.

A 20% lighter version of the original color is **22.5160, 13.8448, 31.1914**, and **2.2967, 1.1071, 3.5827** is the 20% darker color. If you saturate the color by 10%, you get **8.4096, 4.0643, 12.6386**, and if you desaturate by 10%, it is **8.5702, 4.3333, 12.8529**.

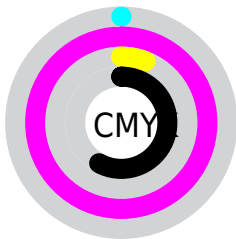
Distribution



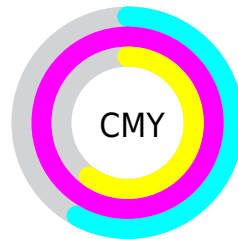
- Red (42%)
- Green (0%)
- Blue (40%)



- Red (42%)
- Yellow (0%)
- Blue (40%)



- Cyan (0%)
- Magenta (99%)
- Yellow (6%)
- Black (58%)



- Cyan (58%)
- Magenta (100%)
- Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 8.4232, 4.0871, 12.6569 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 8.4232, 4.0871, 12.6569 by changing the saturation by 10% instead.

8.4232, 4.0871,
12.6569

8.4232, 4.0871,
12.6569

173.3145,
140.6139, 219.8370

4.4210, 1.7224,
7.0648

22.4616, 13.8087,
31.3681

1.9429, 0.4381,
3.4236

33.2284, 21.9344,
45.3242

0.6016, 0.0000,
1.3148

46.9809, 32.7492,
62.9055

0.0000, 0.0000,
0.0739


64.0843, 46.6375,
84.5304


0.0000, 0.0000,
0.0000


84.9040, 63.9838,
110.6174


109.8054, 85.1723,

141.5852


 139.1538,
110.5876, 177.8522


 8.4232, 4.0871,
12.6569


 8.4232, 4.0871,
12.6569


 8.4096, 4.0643,
12.6386

 8.5702, 4.3333,
12.8529

 8.7670, 4.6789,
13.0665

 9.0493, 5.1952,
13.3098

 9.4265, 5.9007,
13.5857

 9.9065, 6.8118,
13.8971

■ 10.4968, 7.9428,
14.2462

■ 11.2037, 9.3070,
14.6354

■ 12.0335, 10.9164,
15.0665

■ 12.9918, 12.7824,
15.5416

Harmonies

Analogous

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



6.2460, 4.0871, 22.9970



8.4232, 4.0871, 12.6569



9.3104, 4.0871, 4.3585

Triad

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



8.4232, 4.0871, 12.6569



3.8525, 4.0871, 0.0000



1.3813, 4.0871, 12.9806

Complementary

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



8.4232, 4.0871, 12.6569



5.3087, 10.5373, 1.9554

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.



1.1257, 4.0871, 4.5431



8.4232, 4.0871, 12.6569



2.2090, 4.0871, 0.0000

Square

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



8.4232, 4.0871, 12.6569



6.1697, 4.0871, 0.0000



1.3651, 4.0871, 0.8802



2.2475, 4.0871, 23.2740

Rectangle

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



8.4232, 4.0871, 12.6569



8.8720, 4.0871, 1.5546



1.3651, 4.0871, 0.8802



1.2382, 4.0871, 9.6808

Sweetspot

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



8.4234, 4.0873, 12.6570



19.8194, 16.1965, 26.0764



2.7438, 1.1241, 13.9824



4.6969, 3.7266, 6.2570



54.2243, 57.0482, 62.1254



6.0569, 6.3724, 6.9395

Same Dimension

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



8.4234, 4.0873, 12.6570



15.0436, 7.2717, 22.5522



6.6225, 3.3670, 3.1740



3.2105, 3.1611, 3.8389



10.2270, 4.9429, 15.3560



52.0021, 25.1428, 77.6710

Inverse Universe

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



8.4234, 4.0873, 12.6570



15.0436, 7.2717, 22.5522



6.0677, 10.8409, 5.9518



3.2105, 3.1611, 3.8389



10.2270, 4.9429, 15.3560



52.0021, 25.1428, 77.6710

Previews

White Background



This preview shows how the XYZ color 8.4232, 4.0871, 12.6569 looks on a white background.

Color Contrast Check

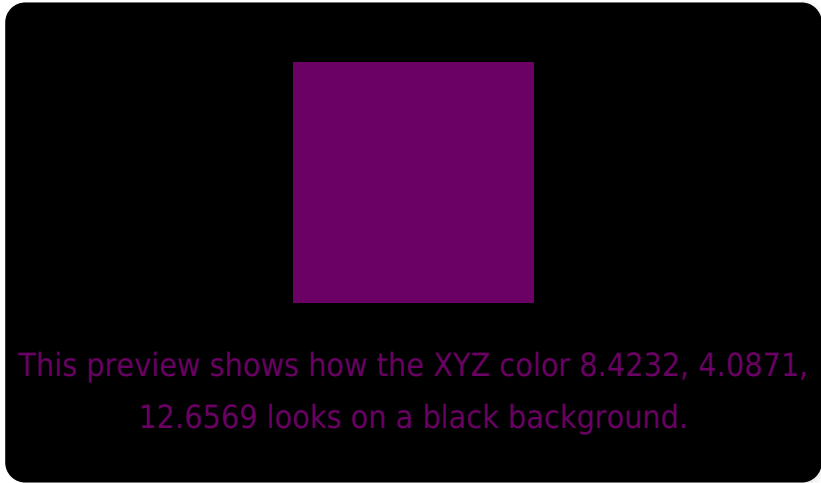
Large Text (above 18pt) WCAG AA ✓ Pass

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 8.4232, 4.0871, 12.6569

Background



This preview shows how black text looks on a background with the XYZ color 8.4232, 4.0871, 12.6569.



This preview shows how white text looks on a background with the XYZ color 8.4232, 4.0871, 12.6569.

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

8.4232, 4.0871, 12.6569

Protanopia

5.1511, 4.4813, 19.6623

Deuteranopia

4.6891, 4.6560, 11.4780



Tritanopia

6.5435, 4.4515, 2.7048

Trichromacy



Original Color

8.4232, 4.0871, 12.6569

Protanomaly

4.6507, 3.0154, 16.8599

Deuteranomaly

5.1300, 3.4724, 11.7091

Tritanomaly

6.8601, 3.9812, 5.1095

Monochromacy



Original Color

8.4232, 4.0871, 12.6569

Achromatopsia

2.3940, 2.5187, 2.7428

Achromatomaly

3.6841, 2.4055, 5.2712

CSS Examples

Text

The CSS property to change the color of the text to XYZ 8.4232, 4.0871, 12.6569 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(107, 1, 101)` looks like.

```
.text, #text, p{  
    color:rgb(107, 1, 101)  
}
```

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(107, 1, 101) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 1, 101) }
```

Border

The CSS property to change the border of an element to XYZ 8.4232, 4.0871, 12.6569 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(107, 1, 101) }
```


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

```
.border{ border-color:rgb(107, 1, 101) }
```

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

Here you see how a box with a 4 pixel rgb(107, 1, 101) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(107, 1, 101); -webkit-box-  
shadow:4px 4px 4px 4px rgb(107, 1, 101);  
box-shadow:4px 4px 4px 4px rgb(107, 1,  
101) }
```

Background

The CSS property to change the background color of an element to XYZ 8.4232, 4.0871, 12.6569 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 1, 101) }
```

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

```
.background{ background-color: rgb(107, 1,  
101) }
```

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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