

Converting Colors

XYZ(3.2425, 1.6228, 2.3557)

Have a look what the booklet for
XYZ(3.2425, 1.6228, 2.3557)
contains.

XYZ(3.2420, 1.6230, 2.3329)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

XYZ(3.2420, 1.6230, 2.3329)

Conversions

Conversions Part 1

Format	Color
Hex	4A002A
RGB	74, 0, 42
RGB Percent	29%, 0%, 16%
CMY	0.7098, 1.0000, 0.8353
CMYK	0.00, 1.00, 0.43, 0.71
HSL	326°, 100%, 15%
HSV	326°, 100%, 29%
XYZ	3.2420, 1.6230, 2.3329
YIQ	26.9140, 30.6220, 28.7500

Conversions

Conversions Part 2

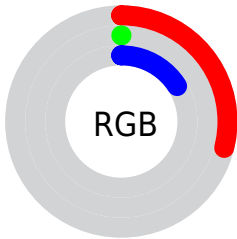
Format	Color
R_{YB}	74, 0, 42
Decimal	4849706
CIE _{Lab}	13.37, 35.56, -4.91
CIE _{LCh}	13, 35.899, 352.136
Yxy	1.6230, 0.4504, 0.2255
Android (android.graphics.Color)	4283039786 (0xFF4A002A)
YUV	26.9140, 7.4374, 41.2944
Hunter-Lab	12.7397, 23.1302, -1.9394

Details

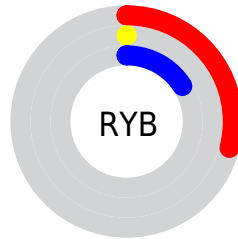
The XYZ color **3.2420, 1.6230, 2.3329** is a dark color, and the websafe version is hex **660033**. A complement of this color would be **2.7096, 5.0020, 2.1894**, and the grayscale version is **1.0309, 1.0846, 1.1811**.

A 20% lighter version of the original color is **11.5976, 7.6699, 9.8860**, and **0.2312, 0.1192, 0.0108** is the 20% darker color. If you saturate the color by 10%, you get **3.2420, 1.6230, 2.3328**, and if you desaturate by 10%, it is **3.3820, 1.8076, 2.6735**.

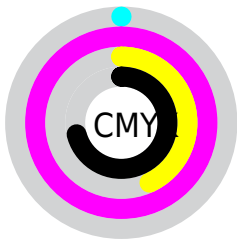
Distribution



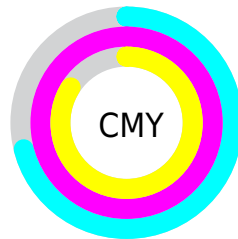
- Red (29%)
- Green (0%)
- Blue (16%)



- Red (29%)
- Yellow (0%)
- Blue (16%)



- Cyan (0%)
- Magenta (100%)
- Yellow (43%)
- Black (71%)





- Cyan (71%)
- Magenta (100%)
- Yellow (84%)


Brightness & Saturation Gradients


These gradients show how the XYZ color 3.2420, 1.6230, 2.3329 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 3.2420, 1.6230, 2.3329 by changing the saturation by 10% instead.


 3.2420, 1.6230,
2.3329


 3.2420, 1.6230,
2.3329

 126.5664,
108.9700, 127.3490


 1.2830, 0.3730,
0.7496


 11.6487, 7.7091,
9.9324


 0.1704, 0.0000,
0.0000

 18.8272, 13.4066,
16.8013

 0.0000, 0.0000,
0.0000


 28.4762, 21.3862,
26.2742


 40.9610, 32.0323,
38.7697


 56.6471, 45.7293,
54.7064


 75.8998, 62.8617,


74.5028


 99.0844, 83.8138,
98.5775


 3.2420, 1.6230,
2.3329


 3.2420, 1.6230,
2.3329


 3.2420, 1.6230,
2.3328

 3.3820, 1.8076,
2.6735

 3.5340, 2.0087,
3.0413

 3.7258, 2.2818,
3.4459

 3.9632, 2.6384,
3.8898

 4.2495, 3.0847,
4.3745

■ 4.5876, 3.6265,
4.9015

■ 4.9802, 4.2690,
5.4721

■ 5.4298, 5.0172,
6.0875

■ 5.9387, 5.8755,
6.7490

Harmonies

Analogous

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



2.8279, 1.6230, 5.2235



3.2420, 1.6230, 2.3329



3.1055, 1.6230, 0.6659

Triad

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



3.2420, 1.6230, 2.3329



1.0991, 1.6230, 0.0000



0.8692, 1.6230, 6.7049

Complementary

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



3.2420, 1.6230, 2.3329



2.7096, 5.0020, 2.1894

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.



0.5950, 1.6230, 3.5954



3.2420, 1.6230, 2.3329



0.7149, 1.6230, 0.0711

Square

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



3.2420, 1.6230, 2.3329



1.7292, 1.6230, 0.0000



0.5387, 1.6230, 1.3012



1.3699, 1.6230, 8.7170

Rectangle

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



3.2420, 1.6230, 2.3329



2.7348, 1.6230, 0.0000



0.5387, 1.6230, 1.3012



0.7569, 1.6230, 5.6781

Sweetspot

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



3.2420, 1.6231, 2.3329



8.5891, 7.2949, 9.4105



1.7962, 0.7832, 6.5352



2.1291, 1.7792, 2.3206



41.2402, 43.3880, 47.2495



2.8585, 3.0074, 3.2751

Same Dimension

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



3.2420, 1.6231, 2.3329



5.6086, 2.8117, 3.8610



2.8579, 1.4694, 0.3101



1.7204, 1.7164, 1.9578



6.2404, 3.1292, 4.2635



36.5192, 18.3589, 22.8272

Inverse Universe

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



3.2420, 1.6231, 2.3329



5.6086, 2.8117, 3.8610



3.4872, 5.3130, 6.2841



1.7204, 1.7164, 1.9578



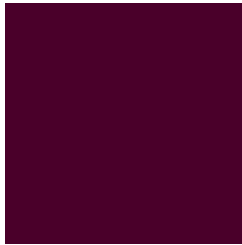
6.2404, 3.1292, 4.2635



36.5192, 18.3589, 22.8272

Previews

White Background



This preview shows how the XYZ color 3.2420, 1.6230, 2.3329 looks on a white background.

Color Contrast Check

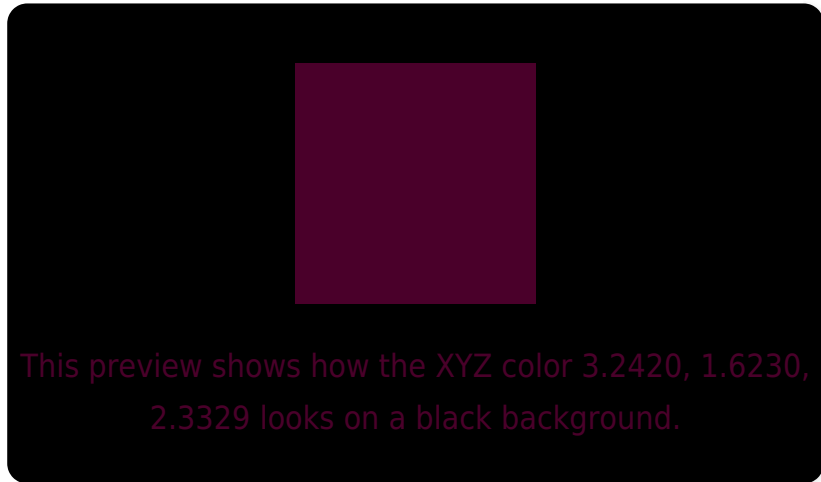
Large Text (above 18pt) WCAG AA ✓ Pass

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

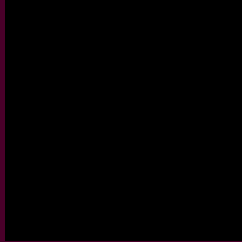
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 3.2420, 1.6230, 2.3329

Background



This preview shows how black text looks on a background with the XYZ color 3.2420, 1.6230, 2.3329.



This preview shows how white text looks on a background with the XYZ color 3.2420, 1.6230, 2.3329.

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

3.2420, 1.6230, 2.3329

Protanopia

2.0738, 2.0038, 4.5524

Deuteranopia

2.0556, 2.0463, 2.2061



Tritanopia

3.0493, 1.8578, 0.7282

Trichromacy



Original Color

3.2420, 1.6230, 2.3329

Protanomaly

2.1415, 1.5146, 3.5476

Deuteranomaly

2.2310, 1.5907, 2.1969

Tritanomaly

3.0538, 1.7304, 1.1503

Monochromacy



Original Color

3.2420, 1.6230, 2.3329

Achromatopsia

1.0418, 1.0960, 1.1936

Achromatomaly

1.4999, 1.0407, 1.4883

CSS Examples

Text

The CSS property to change the color of the text to XYZ 3.2420, 1.6230, 2.3329 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(74, 0, 42)` looks like.

```
.text, #text, p{  
    color:rgb(74, 0, 42)  
}
```

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(74, 0, 42) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(74, 0, 42) }
```

Border

The CSS property to change the border of an element to XYZ 3.2420, 1.6230, 2.3329 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(74, 0, 42) }
```

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

```
.border{ border-color:rgb(74, 0, 42) }
```

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

Here you see how a box with a 4 pixel `rgb(74, 0, 42)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(74, 0, 42); -webkit-box-shadow:4px  
4px 4px 4px rgb(74, 0, 42); box-shadow:4px  
4px 4px 4px rgb(74, 0, 42) }
```


Background

The CSS property to change the background color of an element to XYZ 3.2420, 1.6230, 2.3329 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(74, 0, 42) }
```

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

```
.background{ background-color: rgb(74, 0,  
42) }
```

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