

Converting Colors

XYZ(4.6649, 2.2289, 8.1670)

Have a look what the booklet for
XYZ(4.6649, 2.2289, 8.1670)
contains.

XYZ(4.6649, 2.2289, 8.1670)	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(4.6649, 2.2289, 8.1670)

Conversions

Conversions Part 1

Format	Color
Hex	4E0052
RGB	78, 0, 82
RGB Percent	31%, 0%, 32%
CMY	0.6941, 1.0000, 0.6784
CMYK	0.05, 1.00, 0.00, 0.68
HSL	297°, 100%, 16%
HSV	297°, 100%, 32%
XYZ	4.6649, 2.2289, 8.1670
YIQ	32.6700, 20.1660, 42.0380

Conversions

Conversions Part 2

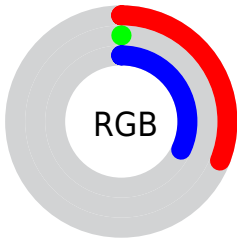
Format	Color
R_{YB}	78, 0, 82
Decimal	5111890
CIE _{Lab}	16.65, 42.35, -28.06
CIE _{LCh}	17, 50.804, 326.473
Yxy	2.2289, 0.3097, 0.1480
Android (android.graphics.Color)	4283301970 (0xFF4E0052)
YUV	32.6700, 24.3197, 39.7544
Hunter-Lab	14.9295, 29.6478, -21.9832

Details

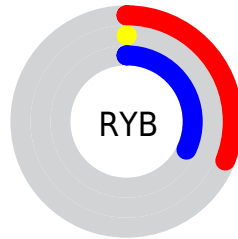
The XYZ color **4.6649, 2.2289, 8.1670** is a dark color, and the websafe version is hex **660066**. A complement of this color would be **3.0674, 6.0604, 1.0082**, and the grayscale version is **1.4033, 1.4764, 1.6078**.

A 20% lighter version of the original color is **14.8339, 9.3380, 22.8504**, and **0.8990, 0.4249, 1.7849** is the 20% darker color. If you saturate the color by 10%, you get **4.6650, 2.2289, 8.1670**, and if you desaturate by 10%, it is **4.7869, 2.4240, 8.1983**.

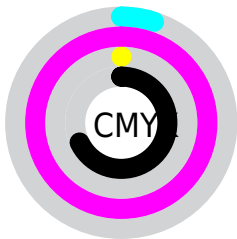
Distribution



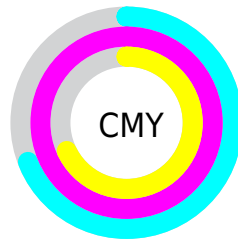
- Red (31%)
- Green (0%)
- Blue (32%)



- Red (31%)
- Yellow (0%)
- Blue (32%)



- Cyan (5%)
- Magenta (100%)
- Yellow (0%)
- Black (68%)





- Cyan (69%)
- Magenta (100%)
- Yellow (68%)


Brightness & Saturation Gradients


These gradients show how the XYZ color 4.6649, 2.2289, 8.1670 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 4.6649, 2.2289, 8.1670 by changing the saturation by 10% instead.


 4.6649, 2.2289,
8.1670


 4.6649, 2.2289,
8.1670


 141.5556,
118.1896, 187.0193


 2.0847, 0.7357,
4.1127

 14.8457, 9.3477,
22.8367


 0.6809, 0.0000,
1.6874


 23.1770, 15.7504,
34.2892

 0.0000, 0.0000,
0.3521

 34.1561, 24.5612,
49.0449


 0.0000, 0.0000,
0.0000


 48.1483, 36.1644,
67.5222

 65.5190, 50.9445,
90.1398


 86.6336, 69.2858,


117.3162


 111.8573, 91.5727,
149.4698


 4.6649, 2.2289,
8.1670


 4.6649, 2.2289,
8.1670


 4.6650, 2.2289,
8.1670

 4.7869, 2.4240,
8.1983

 4.9222, 2.6456,
8.2339

 5.1034, 2.9585,
8.2847

 5.3360, 3.3741,
8.3527

 5.6244, 3.9008,
8.4392

■ 5.9720, 4.5458,
8.5453

■ 6.3824, 5.3160,
8.6724

■ 6.8586, 6.2176,
8.8213

■ 7.4037, 7.2564,
8.9931

Harmonies

Analogous

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



3.3149, 2.2289, 14.3428



4.6649, 2.2289, 8.1670



5.3333, 2.2289, 2.8540

Triad

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



4.6649, 2.2289, 8.1670



2.2628, 2.2289, 0.0000



0.6413, 2.2289, 6.6933

Complementary

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



4.6649, 2.2289, 8.1670



3.0674, 6.0604, 1.0082

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.



0.5136, 2.2289, 2.0446



4.6649, 2.2289, 8.1670



1.2514, 2.2289, 0.0000

Square

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



4.6649, 2.2289, 8.1670



3.6555, 2.2289, 0.0000



0.7176, 2.2289, 0.0446



1.0870, 2.2289, 13.0614

Rectangle

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



4.6649, 2.2289, 8.1670



5.1688, 2.2289, 0.9997



0.7176, 2.2289, 0.0446



0.5622, 2.2289, 4.8081

Sweetspot

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



4.6650, 2.2290, 8.1670



11.0617, 9.1274, 15.1163



1.5676, 0.6983, 8.0348



2.6829, 2.1682, 3.7120



43.9474, 46.2361, 50.3512



3.4509, 3.6306, 3.9538

Same Dimension

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



4.6650, 2.2290, 8.1670



8.1246, 3.8812, 14.2585



3.9553, 1.9841, 2.6674



1.9483, 1.9277, 2.3490



7.7217, 3.6888, 13.5487



44.3100, 21.1592, 78.1299

Inverse Universe

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



3.5016, 1.8027, 0.2783



6.1041, 3.1434, 0.4350



3.3497, 6.1676, 2.7561



1.8920, 1.9062, 2.0118



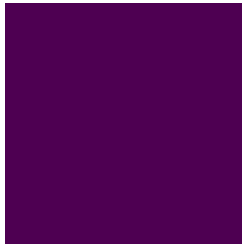
5.8009, 2.9873, 0.4173



33.3572, 17.1891, 1.8860

Previews

White Background



This preview shows how the XYZ color 4.6649, 2.2289, 8.1670 looks on a white background.

Color Contrast Check

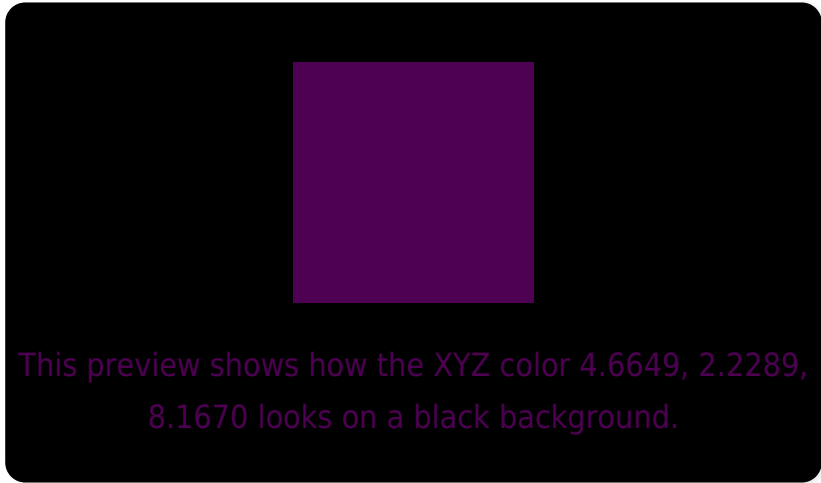
Large Text (above 18pt) WCAG AA ✓ Pass

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

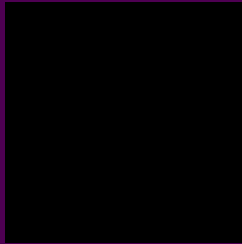
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 4.6649, 2.2289, 8.1670

Background



This preview shows how black text looks on a background with the XYZ color 4.6649, 2.2289, 8.1670.



This preview shows how white text looks on a background with the XYZ color 4.6649, 2.2289, 8.1670.

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

4.6649, 2.2289, 8.1670

Protanopia

2.8324, 2.5741, 10.4728

Deuteranopia

2.6474, 2.6604, 7.3951



Tritanopia

3.5529, 2.5650, 1.8212

Trichromacy



Original Color

4.6649, 2.2289, 8.1670

Protanomaly

2.6556, 1.7820, 9.4365

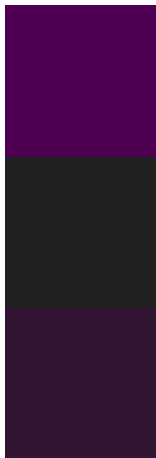
Deuteranomaly

2.8055, 1.9355, 7.6229

Tritanomaly

3.7493, 2.2352, 3.3658

Monochromacy



Original Color

4.6649, 2.2289, 8.1670

Achromatopsia

1.4456, 1.5209, 1.6562

Achromatomaly

2.1323, 1.4283, 3.2953

CSS Examples

Text

The CSS property to change the color of the text to XYZ 4.6649, 2.2289, 8.1670 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(78, 0, 82)` looks like.

```
.text, #text, p{  
    color:rgb(78, 0, 82)  
}
```

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(78, 0, 82) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(78, 0, 82) }
```

Border

The CSS property to change the border of an element to XYZ 4.6649, 2.2289, 8.1670 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(78, 0, 82) }
```

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

```
.border{ border-color:rgb(78, 0, 82) }
```

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

Here you see how a box with a 4 pixel `rgb(78, 0, 82)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(78, 0, 82); -webkit-box-shadow:4px  
4px 4px 4px rgb(78, 0, 82); box-shadow:4px  
4px 4px 4px rgb(78, 0, 82) }
```


Background

The CSS property to change the background color of an element to XYZ 4.6649, 2.2289, 8.1670 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(78, 0, 82) }
```

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

```
.background{ background-color: rgb(78, 0,  
82) }
```

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