

Converting Colors

XYZ(17.3358, 8.9914, 2.9975)

Have a look what the booklet for
XYZ(17.3358, 8.9914, 2.9975)
contains.

XYZ(17.2776, 8.9553, 3.0084)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(17.2776, 8.9553,
3.0084)**

Conversions

Conversions Part 1

Format	Color
Hex	AB062A
RGB	171, 6, 42
RGB Percent	67%, 2%, 16%
CMY	0.3294, 0.9764, 0.8353
CMYK	0.00, 0.96, 0.75, 0.33
HSL	347°, 93%, 35%
HSV	347°, 96%, 67%
XYZ	17.2776, 8.9553, 3.0084
YIQ	59.4390, 86.7840, 46.1760

Conversions

Conversions Part 2

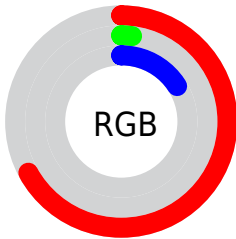
Format	Color
R_{YB}	171, 6, 42
Decimal	11208234
CIE Lab	35.90, 59.54, 29.02
CIE LCh	36, 66.234, 25.982
Yxy	8.9553, 0.5909, 0.3063
Android (android.graphics.Color)	4289398314 (0xFFAB062A)
YUV	59.4390, -8.5974, 97.8390
Hunter-Lab	29.9254, 50.6885, 14.9874

Details

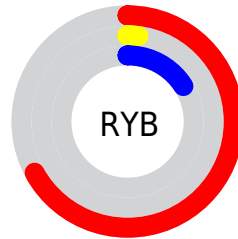
The XYZ color **17.2776, 8.9553, 3.0084** is a dark color, and the websafe version is hex **CC0033**. A complement of this color would be **19.0133, 30.9145, 27.8963**, and the grayscale version is **4.2223, 4.4422, 4.8376**.

A 20% lighter version of the original color is **38.1932, 23.7491, 11.5878**, and **6.4304, 3.3150, 0.3009** is the 20% darker color. If you saturate the color by 10%, you get **17.1329, 8.7932, 2.5683**, and if you desaturate by 10%, it is **17.8019, 9.5551, 4.5673**.

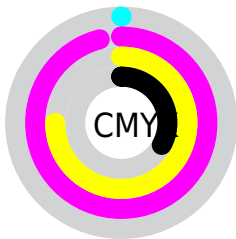
Distribution



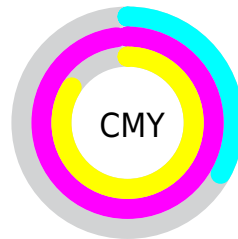
- Red (67%)
- Green (2%)
- Blue (16%)



- Red (67%)
- Yellow (2%)
- Blue (16%)



- Cyan (0%)
- Magenta (96%)
- Yellow (75%)
- Black (33%)




- Cyan (33%)
- Magenta (98%)
- Yellow (84%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 17.2776, 8.9553, 3.0084 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 17.2776, 8.9553, 3.0084 by changing the saturation by 10% instead.


 17.2776, 8.9553,
3.0084


 17.2776, 8.9553,
3.0084


229.8922,
183.0441, 136.4675


 10.5291, 4.7120,
1.0989


 38.3423, 23.8110,
11.6492


 5.8161, 2.0793,
0.0000

 53.3892, 35.1923,
19.2175


 2.7732, 0.6530,
0.0000

 71.9330, 49.7216,
29.5093

 1.0350, 0.0000,
0.0000


 94.3390, 67.7835,
42.9429


 0.0000, 0.0000,
0.0000

 120.9725, 89.7623,
59.9370


 152.1990,


116.0424, 80.9101


 188.3838,
147.0082, 106.2808


 17.2776, 8.9553,
3.0084

 17.2776, 8.9553,
3.0084


 17.1329, 8.7932,
2.5683

 17.8019, 9.5551,
4.5673

 18.6271, 10.6173,
6.6560

 19.8011, 12.2275,
9.3219

 21.3595, 14.4477,
12.6053

 23.3333, 17.3314,
16.5429

■ 25.7503, 20.9264,
21.1683

■ 28.6358, 25.2759,
26.5127

■ 32.0133, 30.4197,
32.6054

■ 35.9045, 36.3947,
39.4741

Harmonies

Analogous

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



18.5007, 8.9553, 11.3479



17.2776, 8.9553, 3.0084



13.4808, 8.9553, 0.4890

Triad

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



17.2776, 8.9553, 3.0084



3.6572, 8.9553, 1.9610



7.9929, 8.9553, 51.2252

Complementary

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



17.2776, 8.9553, 3.0084



19.0133, 30.9145, 27.8963

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.



4.9439, 8.9553, 40.9615



17.2776, 8.9553, 3.0084



2.9780, 8.9553, 8.3110

Square

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



17.2776, 8.9553, 3.0084



5.6106, 8.9553, 0.1646



3.3638, 8.9553, 22.6455



12.2722, 8.9553, 45.0396

Rectangle

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



17.2776, 8.9553, 3.0084



10.4776, 8.9553, 0.0000



3.3638, 8.9553, 22.6455



6.8086, 8.9553, 49.4582

Sweetspot

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



17.2778, 8.9559, 3.0085



49.6248, 42.7550, 44.4368



17.0111, 8.0175, 39.1787



10.5893, 8.8153, 9.0253



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



17.2778, 8.9559, 3.0085



30.6196, 15.7224, 4.2580



17.9689, 10.9540, 1.3403



8.0741, 8.0429, 8.7009



12.9325, 6.6355, 2.0238



0.3796, 0.1925, 0.1609

Inverse Universe

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



17.2778, 8.9559, 3.0085



30.6196, 15.7224, 4.2580



15.0163, 18.1596, 41.2415



8.0741, 8.0429, 8.7009



12.9325, 6.6355, 2.0238



0.3796, 0.1925, 0.1609

Previews

White Background



This preview shows how the XYZ color 17.2776, 8.9553, 3.0084 looks on a white background.

Color Contrast Check

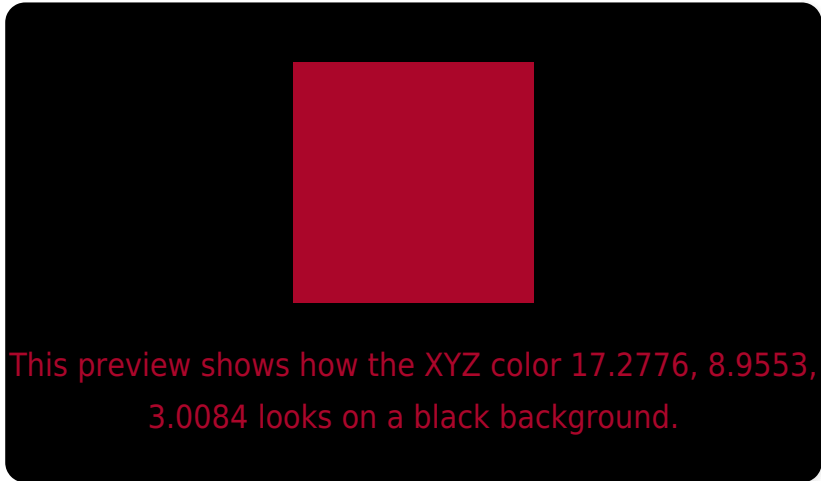
Large Text (above 18pt) WCAG AA ✓ Pass

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 17.2776, 8.9553, 3.0084

Background



This preview shows how black text looks on a background with the XYZ color 17.2776, 8.9553, 3.0084.

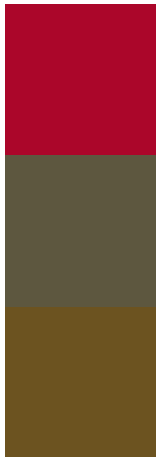


This preview shows how white text looks on a background with the XYZ color 17.2776, 8.9553,

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

17.2776, 8.9553, 3.0084

Protanopia

8.8196, 9.5024, 6.0719

Deuteranopia

9.5383, 9.4789, 2.6934



Tritanopia

16.8602, 9.0052, 1.1974

Trichromacy



Original Color

17.2776, 8.9553, 3.0084

Protanomaly

10.0878, 7.3669, 4.5047

Deuteranomaly

11.0447, 7.6850, 2.5703

Tritanomaly

16.8893, 8.9220, 1.6426

Monochromacy



Original Color

17.2776, 8.9553, 3.0084

Achromatopsia

4.1570, 4.3735, 4.7627

Achromatomaly

6.6569, 4.4840, 3.8828

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.2776, 8.9553, 3.0084 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(171, 6, 42)` looks like.

```
.text, #text, p{  
    color:rgb(171, 6, 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(171, 6, 42) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 6, 42) }
```

Border

The CSS property to change the border of an element to XYZ 17.2776, 8.9553, 3.0084 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(171, 6, 42) }
```


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

```
.border{ border-color:rgb(171, 6, 42) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 6, 42)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 6, 42); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 6, 42);  
box-shadow:4px 4px 4px 4px rgb(171, 6, 42)  
}
```

Background

The CSS property to change the background color of an element to XYZ 17.2776, 8.9553, 3.0084 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 6, 42) }
```

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

```
.background{ background-color: rgb(171, 6,  
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