

Converting Colors

XYZ(17.5988, 8.7891, 13.6288)

Have a look what the booklet for
XYZ(17.5988, 8.7891, 13.6288)
contains.

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Color

**XYZ(17.5524, 8.7658,
13.5988)**

Conversions

Conversions Part 1

Format	Color
Hex	A30067
RGB	163, 0, 103
RGB Percent	64%, 0%, 40%
CMY	0.3608, 0.9999, 0.5961
CMYK	0.00, 1.00, 0.37, 0.36
HSL	322°, 100%, 32%
HSV	322°, 100%, 64%
XYZ	17.5524, 8.7658, 13.5988
YIQ	60.4790, 64.0850, 66.5890

Conversions

Conversions Part 2

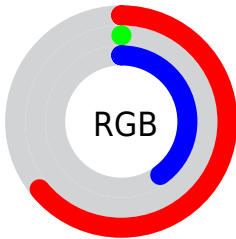
Format	Color
R_{YB}	163, 0, 103
Decimal	10682471
CIE _{Lab}	35.53, 62.62, -11.13
CIE _{LCh}	36, 63.603, 349.924
Yxy	8.7658, 0.4397, 0.2196
Android (android.graphics.Color)	4288872551 (0xFFA30067)
YUV	60.4790, 20.9629, 89.9109
Hunter-Lab	29.6071, 54.0103, -6.5075

Details

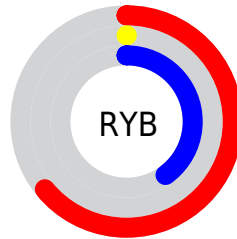
The XYZ color **17.5524, 8.7658, 13.5988** is a dark color, and the websafe version is hex **990066**. A complement of this color would be **13.9137, 26.5210, 8.6639**, and the grayscale version is **4.3290, 4.5544, 4.9598**.

A 20% lighter version of the original color is **38.7529, 23.4547, 33.0565**, and **6.6577, 3.3497, 4.0370** is the 20% darker color. If you saturate the color by 10%, you get **17.5520, 8.7656, 13.5966**, and if you desaturate by 10%, it is **18.0547, 9.2709, 15.3062**.

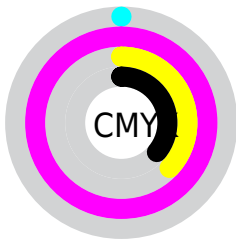
Distribution



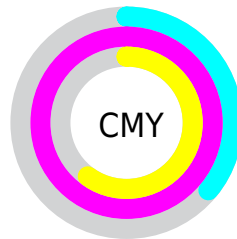
- Red (64%)
- Green (0%)
- Blue (40%)



- Red (64%)
- Yellow (0%)
- Blue (40%)



- Cyan (0%)
- Magenta (100%)
- Yellow (37%)
- Black (36%)



- Cyan (36%)
- Magenta (100%)
- Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.5524, 8.7658, 13.5988 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 17.5524, 8.7658, 13.5988 by changing the saturation by 10% instead.


 17.5524, 8.7658,
13.5988

 17.5524, 8.7658,
13.5988


231.4306,
181.6210, 226.0614


 10.7269, 4.5887,
7.7066


 38.8092, 23.4466,
33.0823


 5.9494, 2.0080,
3.8227


 53.9712, 34.7191,
47.5106


 2.8547, 0.6121,
1.5286

 72.6427, 49.1256,
65.6214

 1.0774, 0.0000,
0.2391

 95.1891, 67.0504,
87.8332

 0.0061, 0.0000,
0.0000

 121.9757, 88.8780,
114.5646

 0.0000, 0.0000,
0.0000

 153.3680,

114.9927, 146.2341

189.7311,
145.7789, 183.2602

■ 17.5524, 8.7658,
13.5988

■ 17.5524, 8.7658,
13.5988

■ 17.5520, 8.7656,
13.5966

■ 18.0547, 9.2709,
15.3062

■ 18.7323, 10.0913,
17.1807

■ 19.6507, 11.3573,
19.2465

■ 20.8384, 13.1252,
21.5150

■ 22.3196, 15.4431,
23.9963

■ 24.1160, 18.3531,
26.6995

■ 26.2468, 21.8935,
29.6330

■ 28.7298, 26.0993,
32.8045

■ 31.5814, 31.0026,
36.2213

Harmonies

Analogous

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



15.0963, 8.7658, 29.7587



17.5524, 8.7658, 13.5988



17.0350, 8.7658, 4.1247

Triad

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



17.5524, 8.7658, 13.5988



6.1228, 8.7658, 0.1022



4.5209, 8.7658, 35.3912

Complementary

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



17.5524, 8.7658, 13.5988



13.9137, 26.5210, 8.6639

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.



3.2515, 8.7658, 18.3725



17.5524, 8.7658, 13.5988



3.9672, 8.7658, 1.4954

Square

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



17.5524, 8.7658, 13.5988



9.6477, 8.7658, 0.0000



3.0847, 8.7658, 6.3885



7.1411, 8.7658, 47.2952

Rectangle

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



17.5524, 8.7658, 13.5988



15.1144, 8.7658, 1.5076



3.0847, 8.7658, 6.3885



3.9597, 8.7658, 29.6697

Sweetspot

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



17.5527, 8.7663, 13.5989



46.7715, 38.8162, 52.7593



8.4614, 3.5987, 34.8989



10.1472, 8.1210, 11.3667



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

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



17.5527, 8.7663, 13.5989



31.3349, 15.6588, 23.8270



15.2469, 7.8440, 1.4571



7.2532, 7.1577, 8.3195



13.6636, 6.8215, 10.6850



0.3087, 0.1520, 0.3382

Inverse Universe

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



17.5527, 8.7663, 13.5989



31.3349, 15.6588, 23.8270



17.9253, 28.1256, 29.7886



7.2532, 7.1577, 8.3195



13.6636, 6.8215, 10.6850



0.3087, 0.1520, 0.3382

Previews

White Background



This preview shows how the XYZ color 17.5524, 8.7658, 13.5988 looks on a white background.

Color Contrast Check

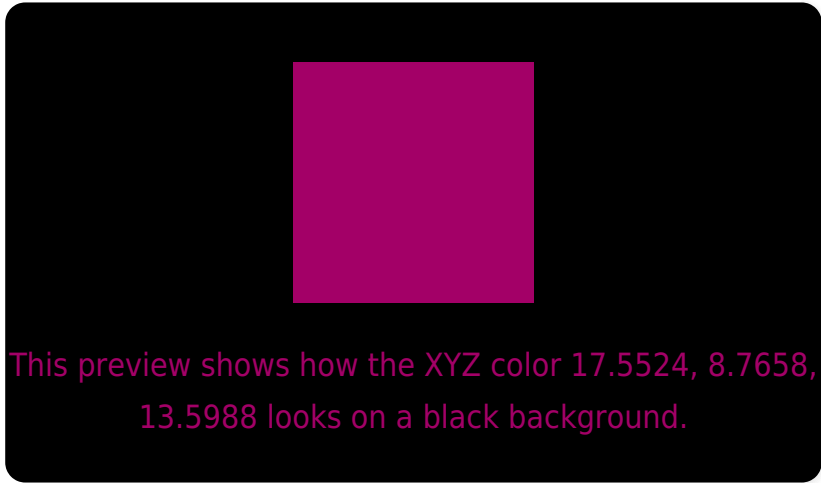
Large Text (above 18pt) WCAG AA ✓ Pass

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

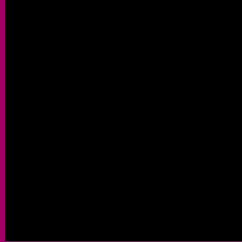
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 17.5524, 8.7658, 13.5988

Background



This preview shows how black text looks on a background with the XYZ color 17.5524, 8.7658, 13.5988.



This preview shows how white text looks on a background with the XYZ color 17.5524, 8.7658,

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

17.5524, 8.7658, 13.5988

Protanopia

10.3186, 9.5334, 28.9000

Deuteranopia

9.5960, 9.4093, 12.3767



Tritanopia

15.5089, 9.1240, 3.1342

Trichromacy



Original Color

17.5524, 8.7658, 13.5988

Protanomaly

10.3457, 6.8184, 22.2435

Deuteranomaly

10.8614, 7.2290, 12.6273

Tritanomaly

15.7920, 8.5825, 5.6748

Monochromacy



Original Color

17.5524, 8.7658, 13.5988

Achromatopsia

4.2949, 4.5186, 4.9208

Achromatomaly

6.9274, 4.4494, 7.3312

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.5524, 8.7658, 13.5988 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(163, 0, 103)` looks like.

```
.text, #text, p{  
    color:rgb(163, 0, 103)  
}
```

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(163, 0, 103) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 0, 103) }
```

Border

The CSS property to change the border of an element to XYZ 17.5524, 8.7658, 13.5988 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(163, 0, 103) }
```


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

```
.border{ border-color:rgb(163, 0, 103) }
```

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

Here you see how a box with a 4 pixel rgb(163, 0, 103) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 0, 103); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 0, 103);  
box-shadow:4px 4px 4px 4px rgb(163, 0,  
103) }
```

Background

The CSS property to change the background color of an element to XYZ 17.5524, 8.7658, 13.5988 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 0, 103) }
```

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

```
.background{ background-color: rgb(163, 0,  
103) }
```

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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