

Converting Colors

XYZ(17.4029, 8.5349, 20.5402)

Have a look what the booklet for
XYZ(17.4029, 8.5349, 20.5402)
contains.

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Color

**XYZ(17.4762, 8.5743,
20.4726)**

Conversions

Conversions Part 1

Format	Color
Hex	9C007E
RGB	156, 0, 126
RGB Percent	61%, 0%, 49%
CMY	0.3882, 0.9999, 0.5059
CMYK	0.00, 1.00, 0.19, 0.39
HSL	312°, 100%, 31%
HSV	312°, 100%, 61%
XYZ	17.4762, 8.5743, 20.4726
YIQ	61.0080, 52.5300, 72.2580

Conversions

Conversions Part 2

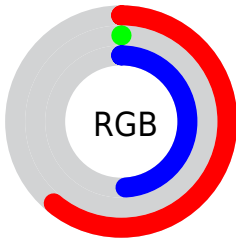
Format	Color
R_{YB}	156, 0, 126
Decimal	10223742
CIE _{Lab}	35.15, 63.84, -26.39
CIE _{LCh}	35, 69.077, 337.544
Yxy	8.5743, 0.3756, 0.1843
Android (android.graphics.Color)	4288413822 (0xFF9C007E)
YUV	61.0080, 32.0411, 83.3080
Hunter-Lab	29.2819, 55.2901, -20.9556

Details

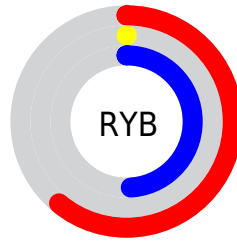
The XYZ color **17.4762, 8.5743, 20.4726** is a dark color, and the websafe version is hex **990066**. A complement of this color would be **12.1234, 23.8710, 5.1982**, and the grayscale version is **4.3891, 4.6177, 5.0286**.

A 20% lighter version of the original color is **38.5926, 22.9996, 45.0531**, and **6.5951, 3.2451, 7.3000** is the 20% darker color. If you saturate the color by 10%, you get **17.4760, 8.5742, 20.4714**, and if you desaturate by 10%, it is **17.8526, 9.0124, 21.5678**.

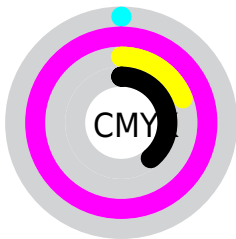
Distribution



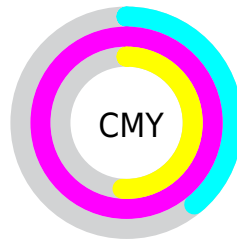
- Red (61%)
- Green (0%)
- Blue (49%)



- Red (61%)
- Yellow (0%)
- Blue (49%)



- Cyan (0%)
- Magenta (100%)
- Yellow (19%)
- Black (39%)



- Cyan (39%)
- Magenta (100%)
- Yellow (51%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.4762, 8.5743, 20.4726 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 17.4762, 8.5743, 20.4726 by changing the saturation by 10% instead.

■ 17.4762, 8.5743,
20.4726

■ 17.4762, 8.5743,
20.4726

231.0050,
180.1696, 267.1506

■ 10.6720, 4.4646,
12.5516

■ 38.6799, 23.0768,
45.0775

■ 5.9124, 1.9367,
6.9934

■ 53.8100, 34.2385,
62.5984

■ 2.8320, 0.5703,
3.3796

■ 72.4462, 48.5195,
84.1563

■ 1.0656, 0.0000,
1.2916

■ 94.9538, 66.3043,
110.1698

■ 0.0000, 0.0000,
0.0549

■ 121.6981, 87.9773,
141.0575

■ 0.0000, 0.0000,
0.0000

■ 153.0445,

113.9230, 177.2378

189.3583,
144.5256, 219.1293

17.4762, 8.5743,
20.4726

17.4762, 8.5743,
20.4726

17.4760, 8.5742,
20.4714

17.8526, 9.0124,
21.5678

18.3710, 9.7254,
22.7391

19.0930, 10.8359,
24.0074

20.0435, 12.3941,
25.3813

21.2440, 14.4427,
26.8682

■ 22.7136, 17.0196,
28.4746

■ 24.4692, 20.1589,
30.2064

■ 26.5265, 23.8917,
32.0691

■ 28.9000, 28.2471,
34.0677

Harmonies

Analogous

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



13.7651, 8.5743, 39.7682



17.4762, 8.5743, 20.4726



18.3459, 8.5743, 6.7419

Triad

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



17.4762, 8.5743, 20.4726



7.1848, 8.5743, 0.0000



3.4600, 8.5743, 30.0993

Complementary

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



17.4762, 8.5743, 20.4726



12.1234, 23.8710, 5.1982

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.



2.6703, 8.5743, 12.5223



17.4762, 8.5743, 20.4726



4.3164, 8.5743, 0.4080

Square

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



17.4762, 8.5743, 20.4726



11.4396, 8.5743, 0.0000



2.9224, 8.5743, 3.2134



5.5599, 8.5743, 47.8264

Rectangle

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



17.4762, 8.5743, 20.4726



17.0027, 8.5743, 2.4222



2.9224, 8.5743, 3.2134



3.0699, 8.5743, 23.5983

Sweetspot

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



17.4765, 8.5747, 20.4728



44.2342, 36.2382, 54.6658



6.4969, 2.6564, 31.6230



9.4486, 7.4627, 11.7540



74.8435, 78.7412, 85.7492



12.6291, 13.2868, 14.4694

Same Dimension

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



17.4765, 8.5747, 20.4728



31.6719, 15.5454, 36.8162



14.2737, 7.2936, 3.6072



6.8494, 6.7327, 8.0582



14.4069, 7.0673, 16.9257



0.2705, 0.1315, 0.3705

Inverse Universe

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



17.4765, 8.5747, 20.4728



31.6719, 15.5454, 36.8162



14.5219, 24.8305, 17.8290



6.8494, 6.7327, 8.0582



14.4069, 7.0673, 16.9257



0.2705, 0.1315, 0.3705

Previews

White Background



This preview shows how the XYZ color 17.4762, 8.5743, 20.4726 looks on a white background.

Color Contrast Check

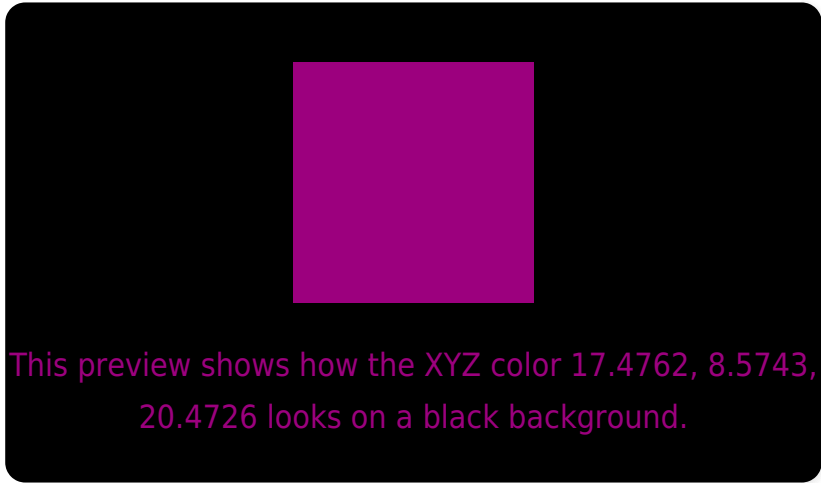
Large Text (above 18pt) WCAG AA ✓ Pass

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

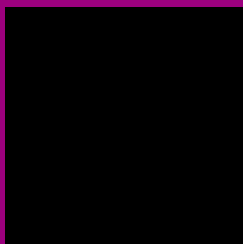
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 17.4762, 8.5743, 20.4726

Background



This preview shows how black text looks on a background with the XYZ color 17.4762, 8.5743, 20.4726.



This preview shows how white text looks on a background with the XYZ color 17.4762, 8.5743,

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

17.4762, 8.5743, 20.4726

Protanopia

10.9297, 9.3211, 42.2974

Deuteranopia

9.4202, 9.3009, 18.4383



Tritanopia

14.3381, 9.0132, 4.2328

Trichromacy



Original Color

17.4762, 8.5743, 20.4726



Protanomaly

9.1320, 5.8847, 33.0023



Deuteranomaly

10.4793, 6.9619, 18.8806



Tritanomaly

14.8767, 8.2729, 8.2099

Monochromacy



Original Color

17.4762, 8.5743, 20.4726



Achromatopsia

4.4355, 4.6665, 5.0818



Achromatomaly

7.1891, 4.5937, 9.1021

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.4762, 8.5743, 20.4726 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(156, 0, 126)` looks like.

```
.text, #text, p{  
    color:rgb(156, 0, 126)  
}
```

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(156, 0, 126) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 0, 126) }
```

Border

The CSS property to change the border of an element to XYZ 17.4762, 8.5743, 20.4726 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(156, 0, 126) }
```


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

```
.border{ border-color:rgb(156, 0, 126) }
```

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

Here you see how a box with a 4 pixel `rgb(156, 0, 126)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 0, 126); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 0, 126);  
box-shadow:4px 4px 4px 4px rgb(156, 0,  
126) }
```

Background

The CSS property to change the background color of an element to XYZ 17.4762, 8.5743, 20.4726 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 0, 126) }
```

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

```
.background{ background-color: rgb(156, 0,  
126) }
```

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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