

Converting Colors

XYZ(15.3310, 6.4263, 23.4376)

Have a look what the booklet for
XYZ(15.3310, 6.4263, 23.4376)
contains.

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Color

**XYZ(16.0502, 7.7690,
23.5753)**

Conversions

Conversions Part 1

Format	Color
Hex	910087
RGB	145, 0, 135
RGB Percent	57%, 0%, 53%
CMY	0.4314, 0.9999, 0.4706
CMYK	0.00, 1.00, 0.07, 0.43
HSL	304°, 100%, 28%
HSV	304°, 100%, 57%
XYZ	16.0502, 7.7690, 23.5753
YIQ	58.7450, 43.0850, 72.7250

Conversions

Conversions Part 2

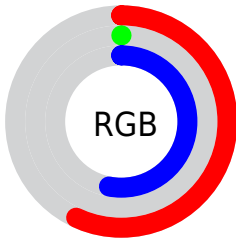
Format	Color
R_{YB}	145, 0, 135
Decimal	9502855
CIE _{Lab}	33.50, 63.02, -34.76
CIE _{LCh}	33, 71.965, 331.121
Yxy	7.7690, 0.3387, 0.1639
Android (android.graphics.Color)	4287692935 (0xFF910087)
YUV	58.7450, 37.5937, 75.6456
Hunter-Lab	27.8729, 54.0089, -30.6372

Details

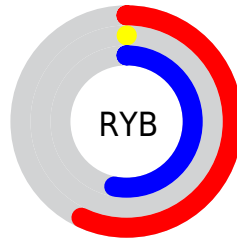
The XYZ color **16.0502, 7.7690, 23.5753** is a dark color, and the websafe version is hex **990099**. A complement of this color would be **10.1805, 20.2730, 3.6641**, and the grayscale version is **4.0699, 4.2819, 4.6629**.

A 20% lighter version of the original color is **36.1269, 21.3996, 50.3705**, and **5.8561, 2.8295, 8.8318** is the 20% darker color. If you saturate the color by 10%, you get **16.0503, 7.7690, 23.5750**, and if you desaturate by 10%, it is **16.2852, 8.1255, 24.0027**.

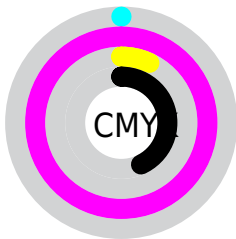
Distribution



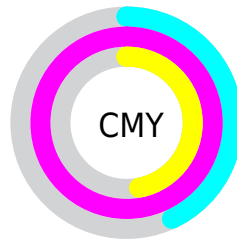
- Red (57%)
- Green (0%)
- Blue (53%)



- Red (57%)
- Yellow (0%)
- Blue (53%)



- Cyan (0%)
- Magenta (100%)
- Yellow (7%)
- Black (43%)



- Cyan (43%)
- Magenta (100%)
- Yellow (47%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.0502, 7.7690, 23.5753 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 16.0502, 7.7690, 23.5753 by changing the saturation by 10% instead.

■ 16.0502, 7.7690,
23.5753

■ 16.0502, 7.7690,
23.5753

■ 222.9023,
173.9088, 283.8833

■ 9.6508, 3.9475,
14.8096

■ 36.2421, 21.5043,
50.2714

■ 5.2285, 1.6442,
8.5407

■ 50.7652, 32.1869,
69.0388

■ 2.4181, 0.3871,
4.3502

■ 68.7270, 45.9254,
91.9773

■ 0.8541, 0.0000,
1.8193

■ 90.4927, 63.1040,
119.5052

■ 0.0000, 0.0000,
0.4407

■ 116.4277, 84.1073,
152.0413

■ 0.0000, 0.0000,
0.0000

■ 146.8974,

109.3196, 190.0040

182.2672,
139.1253, 233.8118

16.0502, 7.7690,
23.5753

16.0502, 7.7690,
23.5753

16.0503, 7.7690,
23.5750

16.2852, 8.1255,
24.0027

16.6323, 8.7054,
24.4708

17.1473, 9.6202,
24.9981

17.8512, 10.9115,
25.5917

18.7616, 12.6148,
26.2573

■ 19.8943, 14.7616,
27.0004

■ 21.2635, 17.3804,
27.8257

■ 22.8822, 20.4971,
28.7374

■ 24.7626, 24.1360,
29.7397

Harmonies

Analogous

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



11.9587, 7.7690, 43.1876



16.0502, 7.7690, 23.5753



17.6579, 7.7690, 8.0472

Triad

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



16.0502, 7.7690, 23.5753



7.2389, 7.7690, 0.0000



2.6567, 7.7690, 25.0410

Complementary

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



16.0502, 7.7690, 23.5753



10.1805, 20.2730, 3.6641

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.



2.1496, 7.7690, 8.8848



16.0502, 7.7690, 23.5753



4.1563, 7.7690, 0.0000

Square

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



16.0502, 7.7690, 23.5753



11.6129, 7.7690, 0.0000



2.5834, 7.7690, 1.7616



4.3314, 7.7690, 44.4411

Rectangle

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



16.0502, 7.7690, 23.5753



16.7778, 7.7690, 2.8536



2.5834, 7.7690, 1.7616



2.3770, 7.7690, 18.7511

Sweetspot

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



16.0505, 7.7694, 23.5754



37.9108, 30.8016, 49.7329



5.2322, 2.1071, 26.9192



8.2202, 6.4432, 10.9373



69.3244, 72.9347, 79.4259



10.7221, 11.2805, 12.2844

Same Dimension

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



16.0505, 7.7694, 23.5754



28.7172, 13.9026, 42.0808



12.5701, 6.3772, 5.2478



5.6104, 5.5047, 6.7125



13.7706, 6.6653, 20.2413



0.1348, 0.0650, 0.2100

Inverse Universe

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



16.0505, 7.7694, 23.5754



28.7172, 13.9026, 42.0808



11.6553, 20.8629, 11.4299



5.6104, 5.5047, 6.7125



13.7706, 6.6653, 20.2413



0.1348, 0.0650, 0.2100

Previews

White Background



This preview shows how the XYZ color 16.0502, 7.7690, 23.5753 looks on a white background.

Color Contrast Check

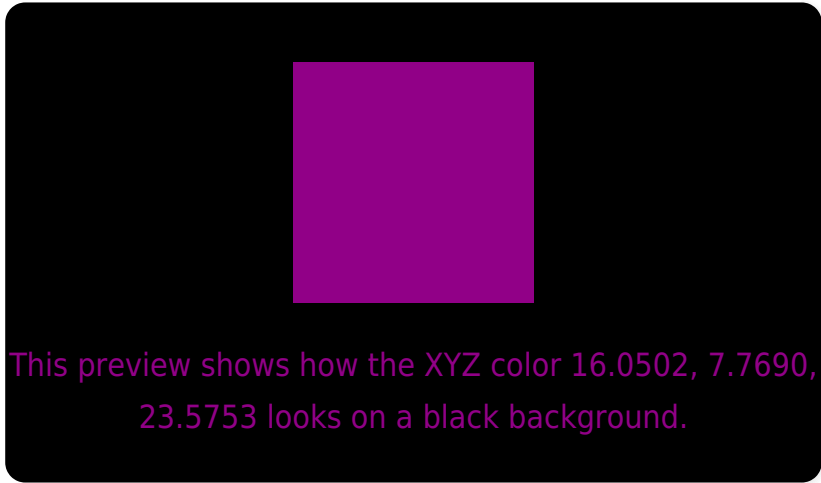
Large Text (above 18pt) WCAG AA ✓ Pass

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

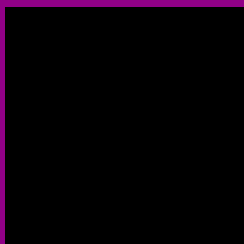
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 16.0502, 7.7690, 23.5753

Background



This preview shows how black text looks on a background with the XYZ color 16.0502, 7.7690, 23.5753.



This preview shows how white text looks on a background with the XYZ color 16.0502, 7.7690,

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

16.0502, 7.7690, 23.5753

Protanopia

9.7710, 8.3820, 37.6621

Deuteranopia

8.5930, 8.4664, 21.2600



Tritanopia

12.3034, 8.1501, 4.6660

Trichromacy



Original Color

16.0502, 7.7690, 23.5753

Protanomaly

8.5252, 5.4046, 31.6042

Deuteranomaly

9.4737, 6.2413, 21.8245

Tritanomaly

13.0269, 7.3754, 9.3313

Monochromacy



Original Color

16.0502, 7.7690, 23.5753

Achromatopsia

4.1570, 4.3735, 4.7627

Achromatomaly

6.6299, 4.2480, 9.4873

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.0502, 7.7690, 23.5753 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(145, 0, 135)` looks like.

```
.text, #text, p{  
    color:rgb(145, 0, 135)  
}
```

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(145, 0, 135) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(145, 0, 135) }
```

Border

The CSS property to change the border of an element to XYZ 16.0502, 7.7690, 23.5753 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(145, 0, 135) }
```


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

```
.border{ border-color:rgb(145, 0, 135) }
```

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

Here you see how a box with a 4 pixel rgb(145, 0, 135) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(145, 0, 135); -webkit-box-  
shadow:4px 4px 4px 4px rgb(145, 0, 135);  
box-shadow:4px 4px 4px 4px rgb(145, 0,  
135) }
```

Background

The CSS property to change the background color of an element to XYZ 16.0502, 7.7690, 23.5753 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(145, 0, 135) }
```

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

```
.background{ background-color: rgb(145, 0,  
135) }
```

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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