

Converting Colors

XYZ(14.9905, 7.4814, 23.6310)

Have a look what the booklet for
XYZ(14.9905, 7.4814, 23.6310)
contains.

XYZ(15.0252, 7.4942, 23.5763)	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(15.0252, 7.4942,
23.5763)**

Conversions

Conversions Part 1

Format	Color
Hex	8A0F87
RGB	138, 15, 135
RGB Percent	54%, 6%, 53%
CMY	0.4588, 0.9411, 0.4706
CMYK	0.00, 0.89, 0.02, 0.46
HSL	301°, 80%, 30%
HSV	301°, 89%, 54%
XYZ	15.0252, 7.4942, 23.5763
YIQ	65.4570, 34.7880, 63.3960

Conversions

Conversions Part 2

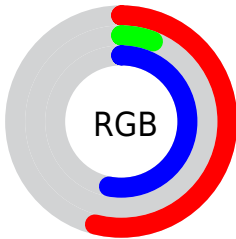
Format	Color
R _{YB}	138, 15, 135
Decimal	9047943
CIE _{Lab}	32.91, 59.55, -35.78
CIE _{LCh}	33, 69.469, 329.003
Yxy	7.4942, 0.3260, 0.1626
Android (android.graphics.Color)	4287238023 (0xFF8A0F87)
YUV	65.4570, 34.2847, 63.6202
Hunter-Lab	27.3755, 50.0634, -31.8987

Details

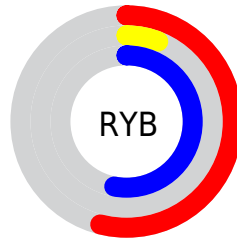
The XYZ color **15.0252, 7.4942, 23.5763** is a dark color, and the websafe version is hex **993399**. A complement of this color would be **9.3950, 18.3225, 3.6142**, and the grayscale version is **5.0407, 5.3032, 5.7752**.

A 20% lighter version of the original color is **34.5596, 21.0135, 50.3786**, and **5.2070, 2.4949, 8.8015** is the 20% darker color. If you saturate the color by 10%, you get **14.8440, 7.1694, 23.3992**, and if you desaturate by 10%, it is **15.3130, 8.0316, 23.7894**.

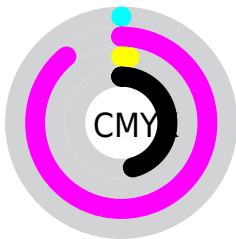
Distribution



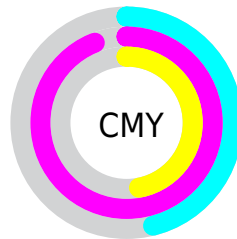
- Red (54%)
- Green (6%)
- Blue (53%)



- Red (54%)
- Yellow (6%)
- Blue (53%)



- Cyan (0%)
- Magenta (89%)
- Yellow (2%)
- Black (46%)



- Cyan (46%)
- Magenta (94%)
- Yellow (47%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.0252, 7.4942, 23.5763 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 15.0252, 7.4942, 23.5763 by changing the saturation by 10% instead.

■ 15.0252, 7.4942,
23.5763

■ 15.0252, 7.4942,
23.5763

216.9041,
171.7092, 283.8886

■ 8.9235, 3.7730,
14.8103

■ 34.4687, 20.9607,
50.2730

■ 4.7480, 1.5474,
8.5412

■ 48.5412, 31.4749,
69.0409

■ 2.1334, 0.3218,
4.3505

■ 66.0013, 45.0222,
91.9797

■ 0.7073, 0.0000,
1.8195

■ 87.2144, 61.9870,
119.5082

■ 0.0000, 0.0000,
0.4408

■ 112.5459, 82.7537,
152.0448

■ 0.0000, 0.0000,
0.0000

■ 142.3611,

107.7067, 190.0080

177.0254,
137.2304, 233.8164

15.0252, 7.4942,
23.5763

15.0252, 7.4942,
23.5763

14.8440, 7.1694,
23.3992

15.3130, 8.0316,
23.7894

14.8288, 7.1423,
23.3839

15.7519, 8.8712,
24.0532

16.3602, 10.0495,
24.3738

17.1533, 11.5975,
24.7565

18.1452, 13.5428,
25.2057

■ 19.3482, 15.9101,
25.7257

■ 20.7737, 18.7224,
26.3202

■ 22.4324, 22.0010,
26.9929

■ 24.3342, 25.7657,
27.7469

Harmonies

Analogous

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



11.1120, 7.4942, 41.5609



15.0252, 7.4942, 23.5763



16.7388, 7.4942, 8.5159

Triad

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



15.0252, 7.4942, 23.5763



7.2462, 7.4942, 0.0000



2.5686, 7.4942, 22.3647

Complementary

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



15.0252, 7.4942, 23.5763



9.3950, 18.3225, 3.6142

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.



2.1472, 7.4942, 7.8140



15.0252, 7.4942, 23.5763



4.2251, 7.4942, 0.0000

Square

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



15.0252, 7.4942, 23.5763



11.3999, 7.4942, 0.0000



2.6312, 7.4942, 1.5571



4.0771, 7.4942, 40.5307

Rectangle

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



15.0252, 7.4942, 23.5763



16.0714, 7.4942, 3.1970



2.6312, 7.4942, 1.5571



2.3239, 7.4942, 16.6462

Sweetspot

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



15.0255, 7.4946, 23.5764



34.4665, 28.7580, 45.4989



4.9907, 2.2967, 24.2252



7.5806, 6.1545, 10.1415



65.7814, 69.2071, 75.3665



9.5508, 10.0482, 10.9424

Same Dimension

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



15.0255, 7.4946, 23.5764



26.1292, 12.5859, 41.1710



11.9037, 6.2459, 7.1375



5.2287, 5.1269, 6.2926



13.5966, 6.5488, 21.4438



0.0911, 0.0438, 0.1465

Inverse Universe

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



15.0255, 7.4946, 23.5764



26.1292, 12.5859, 41.1710



10.6809, 18.8368, 10.3855



5.2287, 5.1269, 6.2926



13.5966, 6.5488, 21.4438



0.0911, 0.0438, 0.1465

Previews

White Background



This preview shows how the XYZ color 15.0252, 7.4942, 23.5763 looks on a white background.

Color Contrast Check

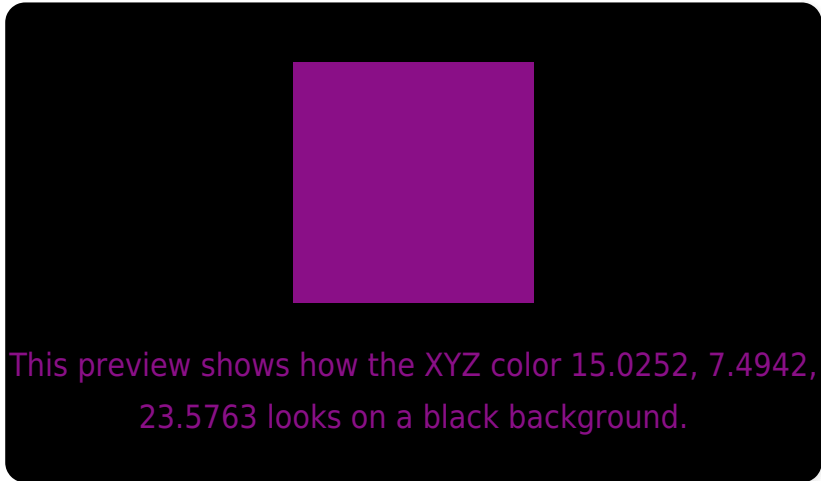
Large Text (above 18pt) WCAG AA ✓ Pass

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

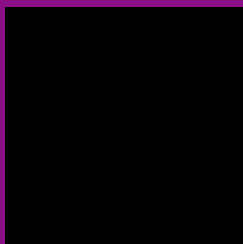
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 15.0252, 7.4942, 23.5763

Background



This preview shows how black text looks on a background with the XYZ color 15.0252, 7.4942, 23.5763.



This preview shows how white text looks on a background with the XYZ color 15.0252, 7.4942,

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

15.0252, 7.4942, 23.5763

Protanopia

9.1755, 7.9164, 35.2268

Deuteranopia

8.1156, 7.9997, 21.1950



Tritanopia

11.2888, 7.6896, 4.8923

Trichromacy



Original Color

15.0252, 7.4942, 23.5763

Protanomaly

8.3021, 5.5834, 30.3459

Deuteranomaly

9.0107, 6.2791, 21.8562

Tritanomaly

12.1114, 7.1760, 9.5509

Monochromacy



Original Color

15.0252, 7.4942, 23.5763

Achromatopsia

5.0244, 5.2861, 5.7565

Achromatomaly

7.2756, 5.0465, 10.2635

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.0252, 7.4942, 23.5763 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(138, 15, 135)` looks like.

```
.text, #text, p{  
    color:rgb(138, 15, 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(138, 15, 135) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 15, 135) }
```

Border

The CSS property to change the border of an element to XYZ 15.0252, 7.4942, 23.5763 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(138, 15, 135) }
```


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

```
.border{ border-color:rgb(138, 15, 135) }
```

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

Here you see how a box with a 4 pixel `rgb(138, 15, 135)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 15, 135); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 15, 135);  
box-shadow:4px 4px 4px 4px rgb(138, 15,  
135) }
```

Background

The CSS property to change the background color of an element to XYZ 15.0252, 7.4942, 23.5763 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 15, 135) }
```

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

```
.background{ background-color: rgb(138, 15,  
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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