

Converting Colors

XYZ(15.4667, 6.7610, 25.2312)

Have a look what the booklet for
XYZ(15.4667, 6.7610, 25.2312)
contains.

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Color

**XYZ(15.8890, 7.6442,
25.4490)**

Conversions

Conversions Part 1

Format	Color
Hex	8E008C
RGB	142, 0, 140
RGB Percent	56%, 0%, 55%
CMY	0.4431, 1.0000, 0.4510
CMYK	0.00, 1.00, 0.01, 0.44
HSL	301°, 100%, 28%
HSV	301°, 100%, 56%
XYZ	15.8890, 7.6442, 25.4490
YIQ	58.4180, 39.6920, 73.6440

Conversions

Conversions Part 2

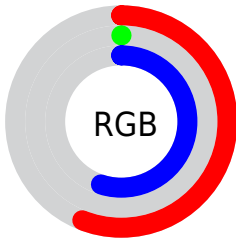
Format	Color
R_{YB}	142, 0, 140
Decimal	9306252
CIE _{Lab}	33.23, 63.24, -38.32
CIE _{LCh}	33, 73.939, 328.787
Yxy	7.6442, 0.3244, 0.1561
Android (android.graphics.Color)	4287496332 (0xFF8E008C)
YUV	58.4180, 40.2199, 73.3014
Hunter-Lab	27.6481, 54.1972, -35.2203

Details

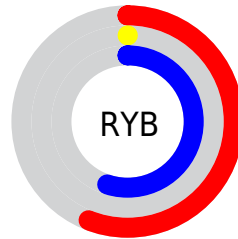
The XYZ color **15.8890, 7.6442, 25.4490** is a dark color, and the websafe version is hex **990099**. A complement of this color would be **9.6843, 19.3509, 3.2824**, and the grayscale version is **4.0225, 4.2319, 4.6086**.

A 20% lighter version of the original color is **35.8752, 21.2060, 53.2413**, and **5.7337, 2.7475, 9.6793** is the 20% darker color. If you saturate the color by 10%, you get **15.8892, 7.6444, 25.4491**, and if you desaturate by 10%, it is **16.0639, 7.9700, 25.5802**.

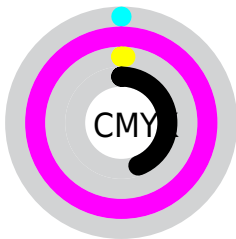
Distribution



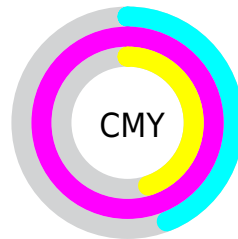
- Red (56%)
- Green (0%)
- Blue (55%)



- Red (56%)
- Yellow (0%)
- Blue (55%)



- Cyan (0%)
- Magenta (100%)
- Yellow (1%)
- Black (44%)



- Cyan (44%)
- Magenta (100%)
- Yellow (45%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 15.8890, 7.6442, 25.4490 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 15.8890, 7.6442, 25.4490 by changing the saturation by 10% instead.


 15.8890, 7.6442,
25.4490


 15.8890, 7.6442,
25.4490


221.9691,
172.9141, 293.5856


 9.5360, 3.8681,
16.1898


 35.9644, 21.2579,
53.3578


 5.1523, 1.6001,
9.5028


 50.4175, 31.8644,
72.8446

 2.3726, 0.3576,
4.9693

 68.3013, 45.5164,
96.5776

 0.8314, 0.0000,
2.1708

 89.9813, 62.5984,
124.9754

 0.0000, 0.0000,
0.6575

 115.8227, 83.4948,
158.4566

 0.0000, 0.0000,
0.0000

 146.1909,

108.5899, 197.4396

181.4512,
138.2682, 242.3431

15.8890, 7.6442,
25.4490

15.8890, 7.6442,
25.4490

15.8892, 7.6444,
25.4491

16.0639, 7.9700,
25.5802

16.3438, 8.5062,
25.7465

16.7834, 9.3616,
25.9662

17.4022, 10.5755,
26.2457

18.2172, 12.1817,
26.5908

■ 19.2433, 14.2101,
27.0064

■ 20.4940, 16.6875,
27.4969

■ 21.9816, 19.6388,
28.0666

■ 23.7176, 23.0868,
28.7192

Harmonies

Analogous

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



11.5709, 7.6442, 45.6432



15.8890, 7.6442, 25.4490



17.8110, 7.6442, 8.7922

Triad

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



15.8890, 7.6442, 25.4490



7.4275, 7.6442, 0.0000



2.4351, 7.6442, 23.8058

Complementary

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



15.8890, 7.6442, 25.4490



9.6843, 19.3509, 3.2824

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.



2.0104, 7.6442, 7.8713



15.8890, 7.6442, 25.4490



4.1876, 7.6442, 0.0000

Square

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



15.8890, 7.6442, 25.4490



11.9548, 7.6442, 0.0000



2.5135, 7.6442, 1.3741



3.9977, 7.6442, 44.2265

Rectangle

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



15.8890, 7.6442, 25.4490



17.0885, 7.6442, 3.0996



2.5135, 7.6442, 1.3741



2.1864, 7.6442, 17.4772

Sweetspot

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



15.8893, 7.6446, 25.4492



35.9876, 29.1269, 48.4289



4.8828, 1.9533, 25.7114



7.8477, 6.1286, 10.7426



67.5393, 71.0566, 77.3807



10.1266, 10.6539, 11.6021

Same Dimension

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



15.8893, 7.6446, 25.4492



28.0132, 13.4777, 44.8478



12.2932, 6.2061, 6.5121



5.6230, 5.5097, 6.7789



14.2664, 6.8636, 22.8522



0.1371, 0.0659, 0.2221

Inverse Universe

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



15.8893, 7.6446, 25.4492



28.0132, 13.4777, 44.8478



10.8108, 19.8015, 9.2144



5.6230, 5.5097, 6.7789



14.2664, 6.8636, 22.8522



0.1371, 0.0659, 0.2221

Previews

White Background



This preview shows how the XYZ color 15.8890, 7.6442, 25.4490 looks on a white background.

Color Contrast Check

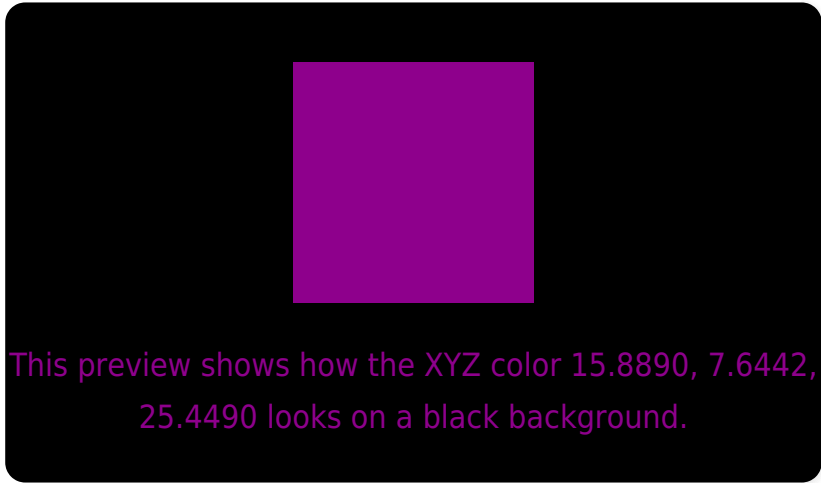
Large Text (above 18pt) WCAG AA ✓ Pass

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 15.8890, 7.6442, 25.4490

Background



This preview shows how black text looks on a background with the XYZ color 15.8890, 7.6442, 25.4490.



This preview shows how white text looks on a background with the XYZ color 15.8890, 7.6442, 25.4490.

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

15.8890, 7.6442, 25.4490

Protanopia

9.6073, 8.2020, 37.1532

Deuteranopia

8.4725, 8.2546, 22.9765



Tritanopia

11.8285, 8.0347, 5.0651

Trichromacy



Original Color

15.8890, 7.6442, 25.4490

Protanomaly

8.6426, 5.4456, 32.4939

Deuteranomaly

9.2573, 6.0901, 23.6093

Tritanomaly

12.5158, 7.1409, 9.9512

Monochromacy



Original Color

15.8890, 7.6442, 25.4490

Achromatopsia

4.0217, 4.2311, 4.6077

Achromatomaly

6.5428, 4.1516, 9.6890

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.8890, 7.6442, 25.4490 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(142, 0, 140)` looks like.

```
.text, #text, p{  
    color:rgb(142, 0, 140)  
}
```

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(142, 0, 140) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(142, 0, 140) }
```

Border

The CSS property to change the border of an element to XYZ 15.8890, 7.6442, 25.4490 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(142, 0, 140) }
```


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

```
.border{ border-color:rgb(142, 0, 140) }
```

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

Here you see how a box with a 4 pixel rgb(142, 0, 140) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(142, 0, 140); -webkit-box-  
shadow:4px 4px 4px 4px rgb(142, 0, 140);  
box-shadow:4px 4px 4px 4px rgb(142, 0,  
140) }
```

Background

The CSS property to change the background color of an element to XYZ 15.8890, 7.6442, 25.4490 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(142, 0, 140) }
```

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

```
.background{ background-color: rgb(142, 0,  
140) }
```

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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