

Converting Colors

XYZ(15.1650, 7.5189, 24.6044)

Have a look what the booklet for
XYZ(15.1650, 7.5189, 24.6044)
contains.

XYZ(15.2257, 7.5523, 24.7000)	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(15.2257, 7.5523,
24.7000)**

Conversions

Conversions Part 1

Format	Color
Hex	8A0E8A
RGB	138, 14, 138
RGB Percent	54%, 5%, 54%
CMY	0.4588, 0.9451, 0.4588
CMYK	0.00, 0.90, 0.00, 0.46
HSL	300°, 82%, 30%
HSV	300°, 90%, 54%
XYZ	15.2257, 7.5523, 24.7000
YIQ	65.2120, 34.1000, 64.8520

Conversions

Conversions Part 2

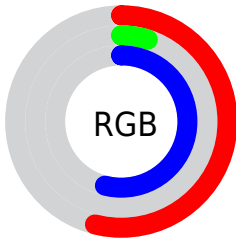
Format	Color
RYB	138, 14, 138
Decimal	9047690
CIELab	33.03, 60.20, -37.44
CIElCh	33, 70.894, 328.124
Yxy	7.5523, 0.3207, 0.1591
Android (android.graphics.Color)	4287237770 (0xFF8A0E8A)
YUV	65.2120, 35.8845, 63.8351
Hunter-Lab	27.4814, 50.8028, -34.0521

Details

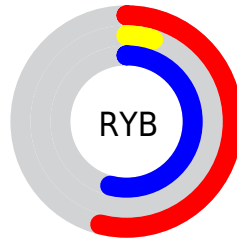
The XYZ color **15.2257, 7.5523, 24.7000** is a dark color, and the websafe version is hex **990099**. A complement of this color would be **9.3492, 18.3024, 3.4558**, and the grayscale version is **5.0009, 5.2613, 5.7295**.

A 20% lighter version of the original color is **34.8888, 21.1452, 52.1118**, and **5.2876, 2.5271, 9.2259** is the 20% darker color. If you saturate the color by 10%, you get **15.0711, 7.2429, 24.6485**, and if you desaturate by 10%, it is **15.4796, 8.0598, 24.7847**.

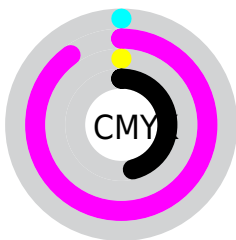
Distribution



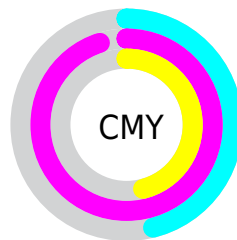
- Red (54%)
- Green (5%)
- Blue (54%)



- Red (54%)
- Yellow (5%)
- Blue (54%)



- Cyan (0%)
- Magenta (90%)
- Yellow (0%)
- Black (46%)



- Cyan (46%)
- Magenta (95%)
- Yellow (46%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.2257, 7.5523, 24.7000 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 15.2257, 7.5523, 24.7000 by changing the saturation by 10% instead.

■ 15.2257, 7.5523,
24.7000

■ 15.2257, 7.5523,
24.7000

218.0897,
172.1771, 289.7403

■ 9.0653, 3.8098,
15.6367

■ 34.8171, 21.0760,
52.1282

■ 4.8412, 1.5678,
9.1159

■ 48.9787, 31.6260,
71.3302

■ 2.1882, 0.3357,
4.7190

■ 66.5381, 45.2139,
94.7488

■ 0.7365, 0.0000,
2.0275

■ 87.8607, 62.2243,
122.8026

■ 0.0000, 0.0000,
0.5721

■ 113.3118, 83.0414,
155.9101

■ 0.0000, 0.0000,
0.0000

■ 143.2568,

108.0496, 194.4898

178.0609,
137.6334, 238.9604

15.2257, 7.5523,
24.7000

15.2257, 7.5523,
24.7000

15.0711, 7.2429,
24.6485

15.4796, 8.0598,
24.7847

15.0688, 7.2383,
24.6477

15.8830, 8.8667,
24.9192

16.4546, 10.0097,
25.1098

17.2099, 11.5204,
25.3616

18.1628, 13.4263,
25.6792

■ 19.3260, 15.7525,
26.0670

■ 20.7108, 18.5222,
26.5286

■ 22.3280, 21.7565,
27.0677

■ 24.1875, 25.4755,
27.6876

Harmonies

Analogous

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



11.1501, 7.5523, 43.2884



15.2257, 7.5523, 24.7000



17.0889, 7.5523, 8.9191

Triad

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



15.2257, 7.5523, 24.7000



7.4173, 7.5523, 0.0000



2.5064, 7.5523, 22.3380

Complementary

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



15.2257, 7.5523, 24.7000



9.3492, 18.3024, 3.4558

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.



2.1085, 7.5523, 7.5645



15.2257, 7.5523, 24.7000



4.2832, 7.5523, 0.0000

Square

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



15.2257, 7.5523, 24.7000



11.7084, 7.5523, 0.0000



2.6255, 7.5523, 1.4222



3.9994, 7.5523, 41.2715

Rectangle

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



15.2257, 7.5523, 24.7000



16.4645, 7.5523, 3.3205



2.6255, 7.5523, 1.4222



2.2691, 7.5523, 16.4835

Sweetspot

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



15.2260, 7.5527, 24.7002



34.5845, 28.8052, 46.1202



4.9259, 2.2427, 24.2184



7.6098, 6.1662, 10.2954



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.



15.2260, 7.5527, 24.7002



26.5611, 12.7587, 43.4454



11.9432, 6.2395, 7.4132



5.2339, 5.1290, 6.3200



13.8158, 6.6364, 22.5982



0.0918, 0.0441, 0.1501

Inverse Universe

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



15.2260, 7.5527, 24.7002



26.5611, 12.7587, 43.4454



10.5745, 18.7925, 9.9083



5.2339, 5.1290, 6.3200



13.8158, 6.6364, 22.5982



0.0918, 0.0441, 0.1501

Previews

White Background



This preview shows how the XYZ color 15.2257, 7.5523, 24.7000 looks on a white background.

Color Contrast Check

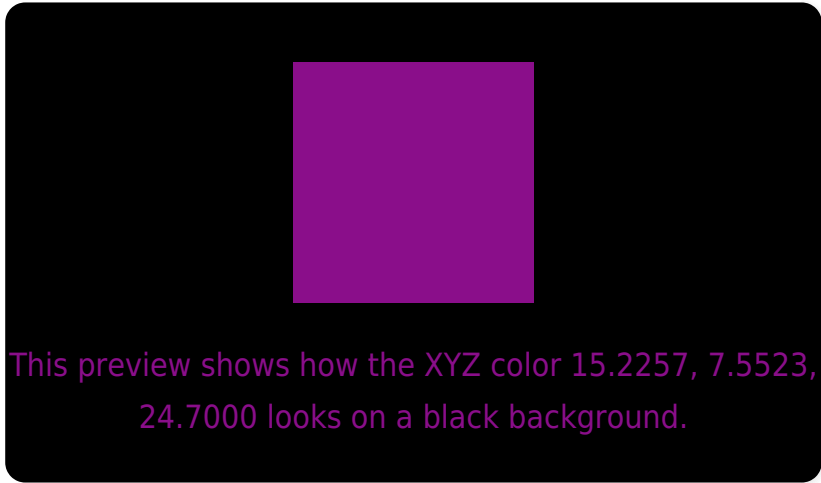
Large Text (above 18pt) WCAG AA ✓ Pass

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

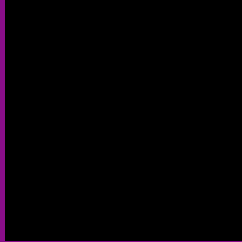
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 15.2257, 7.5523, 24.7000

Background



This preview shows how black text looks on a background with the XYZ color 15.2257, 7.5523, 24.7000.



This preview shows how white text looks on a background with the XYZ color 15.2257, 7.5523,

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

15.2257, 7.5523, 24.7000

Protanopia

9.2647, 7.9521, 35.6969

Deuteranopia

8.1645, 8.0020, 22.2333



Tritanopia

11.2089, 7.7153, 5.0361

Trichromacy



Original Color

15.2257, 7.5523, 24.7000

Protanomaly

8.4673, 5.6495, 31.2160

Deuteranomaly

9.0412, 6.2711, 22.9242

Tritanomaly

12.0360, 7.1277, 9.9739

Monochromacy



Original Color

15.2257, 7.5523, 24.7000

Achromatopsia

5.0244, 5.2861, 5.7565

Achromatomaly

7.3224, 5.0020, 10.7048

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.2257, 7.5523, 24.7000 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, 14, 138)` looks like.

```
.text, #text, p{  
    color:rgb(138, 14, 138)  
}
```

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, 14, 138) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 14, 138) }
```

Border

The CSS property to change the border of an element to XYZ 15.2257, 7.5523, 24.7000 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, 14, 138) }
```


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

```
.border{ border-color:rgb(138, 14, 138) }
```

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

Here you see how a box with a 4 pixel `rgb(138, 14, 138)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 14, 138); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 14, 138);  
box-shadow:4px 4px 4px 4px rgb(138, 14,  
138) }
```

Background

The CSS property to change the background color of an element to XYZ 15.2257, 7.5523, 24.7000 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 14, 138) }
```

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

```
.background{ background-color: rgb(138, 14,  
138) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor