

Converting Colors

XYZ(15.7513, 11.7502, 20.5417)

Have a look what the booklet for
XYZ(15.7513, 11.7502, 20.5417)
contains.

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Color

**XYZ(15.7226, 11.7293,
20.5041)**

Conversions

Conversions Part 1

Format	Color
Hex	834E7C
RGB	131, 78, 124
RGB Percent	51%, 31%, 49%
CMY	0.4863, 0.6941, 0.5137
CMYK	0.00, 0.40, 0.05, 0.49
HSL	308°, 25%, 41%
HSV	308°, 40%, 51%
XYZ	15.7226, 11.7293, 20.5041
YIQ	99.0910, 16.8220, 25.5420

Conversions

Conversions Part 2

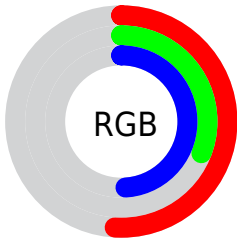
Format	Color
RYB	131, 78, 124
Decimal	8605308
CIELab	40.78, 29.72, -16.74
CIElCh	41, 34.108, 330.616
Yxy	11.7293, 0.3279, 0.2446
Android (android.graphics.Color)	4286795388 (0xFF834E7C)
YUV	99.0910, 12.2801, 27.9842
Hunter-Lab	34.2481, 22.0117, -11.5229

Details

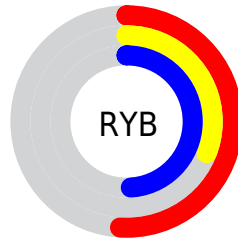
The XYZ color **15.7226, 11.7293, 20.5041** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **12.8984, 18.5087, 11.4878**, and the grayscale version is **11.8500, 12.4671, 13.5767**.

A 20% lighter version of the original color is **35.6626, 28.9270, 45.2988**, and **5.0683, 3.1934, 7.0059** is the 20% darker color. If you saturate the color by 10%, you get **14.7746, 10.0067, 19.6530**, and if you desaturate by 10%, it is **16.8587, 13.8246, 21.4276**.

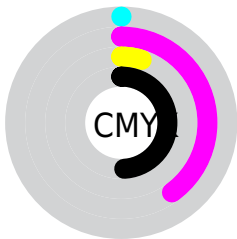
Distribution



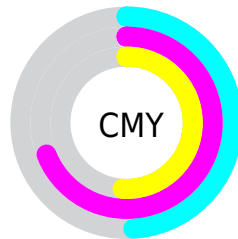
- Red (51%)
- Green (31%)
- Blue (49%)



- Red (51%)
- Yellow (31%)
- Blue (49%)



- Cyan (0%)
- Magenta (40%)
- Yellow (5%)
- Black (49%)



- Cyan (49%)
- Magenta (69%)
- Yellow (51%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.7226, 11.7293, 20.5041 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 15.7226, 11.7293, 20.5041 by changing the saturation by 10% instead.

■ 15.7226, 11.7293,
20.5041

■ 15.7226, 11.7293,
20.5041

221.0019,
202.6049, 267.3251

■ 9.4177, 6.5596,
12.5743

■ 35.6773, 29.0011,
45.1308

■ 5.0739, 3.1883,
7.0088

■ 50.0578, 41.8720,
62.6647

■ 2.3259, 1.2308,
3.3891

■ 67.8608, 58.0789,
84.2371

■ 0.8079, 0.0866,
1.2966

■ 89.4518, 78.0059,
110.2666

■ 0.0000, 0.0000,
0.0590

■ 115.1960,
102.0377, 141.1715

■ 0.0000, 0.0000,
0.0000

145.4589,

130.5585, 177.3706

180.6058,
163.9527, 219.2823

■ 15.7226, 11.7293,
20.5041

■ 15.7226, 11.7293,
20.5041

■ 14.7746, 10.0067,
19.6530

■ 16.8587, 13.8246,
21.4276

■ 14.0025, 8.6330,
18.8698

■ 18.1920, 16.3113,
22.4263

■ 13.3944, 7.5843,
18.1507

■ 19.7322, 19.2088,
23.5035

■ 12.9364, 6.8329,
17.4910

■ 21.4881, 22.5348,
24.6622

■ 12.6125, 6.3465,
16.8852

■ 23.4681, 26.3057,
25.9053

■ 12.3803, 6.0334,
16.3413

■ 25.6801, 30.5374,
27.2354

■ 28.1315, 35.2447,
28.6551

■ 30.8295, 40.4420,
30.1667

■ 33.7808, 46.1428,
31.7727

Harmonies

Analogous

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



13.6944, 11.7293, 28.0471



15.7226, 11.7293, 20.5041



16.4885, 11.7293, 12.6284

Triad

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



15.7226, 11.7293, 20.5041



11.0984, 11.7293, 3.5337



7.5991, 11.7293, 20.8465

Complementary

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



15.7226, 11.7293, 20.5041



12.8984, 18.5087, 11.4878

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.



7.1071, 11.7293, 12.9151



15.7226, 11.7293, 20.5041



8.9392, 11.7293, 4.3838

Square

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



15.7226, 11.7293, 20.5041



13.5952, 11.7293, 4.3139



7.5604, 11.7293, 7.2775



9.0143, 11.7293, 28.2901

Rectangle

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



15.7226, 11.7293, 20.5041



16.1044, 11.7293, 8.6243



7.5604, 11.7293, 7.2775



7.3303, 11.7293, 18.0711

Sweetspot

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



15.7230, 11.7298, 20.5043



34.8050, 33.3975, 41.7270



10.4942, 8.9813, 22.6536



8.0325, 7.6422, 9.6662



64.0503, 67.3860, 73.3833



8.9945, 9.4630, 10.3052

Same Dimension

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



15.7230, 11.7298, 20.5043



26.5079, 18.0099, 35.2414



14.3045, 11.1625, 13.0350



4.8321, 4.7525, 5.7284



12.1870, 5.9391, 16.0889



0.0440, 0.0213, 0.0653

Inverse Universe

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



15.7230, 11.7298, 20.5043



26.5079, 18.0099, 35.2414



14.1105, 18.9935, 17.8706



4.8321, 4.7525, 5.7284



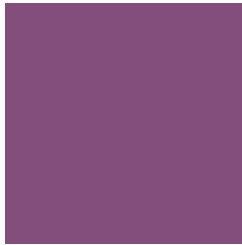
12.1870, 5.9391, 16.0889



0.0440, 0.0213, 0.0653

Previews

White Background



This preview shows how the XYZ color 15.7226, 11.7293, 20.5041 looks on a white background.

Color Contrast Check

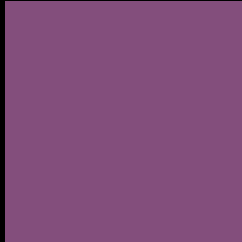
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 15.7226, 11.7293, 20.5041 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 15.7226, 11.7293, 20.5041

Background



This preview shows how black text looks on a background with the XYZ color 15.7226, 11.7293, 20.5041.



This preview shows how white text looks on a background with the XYZ color 15.7226, 11.7293,

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

15.7226, 11.7293, 20.5041

Protanopia

12.2637, 11.8754, 25.3127

Deuteranopia

12.0576, 11.8921, 19.7491



Tritanopia

13.8892, 11.7644, 11.4362

Trichromacy



Original Color

15.7226, 11.7293, 20.5041

Protanomaly

13.1041, 11.5774, 23.3738

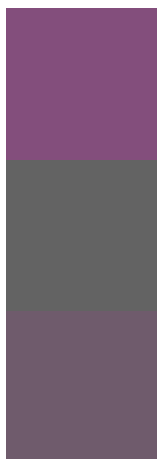
Deuteranomaly

13.1486, 11.6757, 19.9730

Tritanomaly

14.3676, 11.6031, 14.3143

Monochromacy



Original Color

15.7226, 11.7293, 20.5041

Achromatopsia

11.8596, 12.4772, 13.5877

Achromatomaly

13.0034, 11.9444, 15.8075

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.7226, 11.7293, 20.5041 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(131, 78, 124)` looks like.

```
.text, #text, p{  
    color:rgb(131, 78, 124)  
}
```

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(131, 78, 124) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 78, 124) }
```

Border

The CSS property to change the border of an element to XYZ 15.7226, 11.7293, 20.5041 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(131, 78, 124) }
```


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

```
.border{ border-color:rgb(131, 78, 124) }
```

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

Here you see how a box with a 4 pixel `rgb(131, 78, 124)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(131, 78, 124); -webkit-box-shadow:4px 4px 4px 4px rgb(131, 78, 124); box-shadow:4px 4px 4px 4px rgb(131, 78, 124) }
```

Background

The CSS property to change the background color of an element to XYZ 15.7226, 11.7293, 20.5041 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 78, 124) }
```

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

```
.background{ background-color: rgb(131, 78,  
124) }
```

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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