

Converting Colors

XYZ(19.7273, 15.4334, 36.6841)

Have a look what the booklet for
XYZ(19.7273, 15.4334, 36.6841)
contains.

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Color

**XYZ(19.7563, 15.4959,
36.6001)**

Conversions

Conversions Part 1

Format	Color
Hex	815FA3
RGB	129, 95, 163
RGB Percent	51%, 37%, 64%
CMY	0.4941, 0.6274, 0.3608
CMYK	0.21, 0.42, 0.00, 0.36
HSL	270°, 27%, 51%
HSV	270°, 42%, 64%
XYZ	19.7563, 15.4959, 36.6001
YIQ	112.9180, -1.5640, 28.3560

Conversions

Conversions Part 2

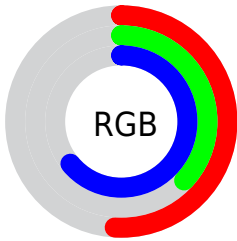
Format	Color
R_{YB}	129, 95, 163
Decimal	8478627
CIE _{Lab}	46.31, 27.62, -31.64
CIE _{LCh}	46, 41.998, 311.124
Yxy	15.4959, 0.2750, 0.2157
Android (android.graphics.Color)	4286668707 (0xFF815FA3)
YUV	112.9180, 24.6904, 14.1039
Hunter-Lab	39.3648, 20.6966, -27.5705

Details

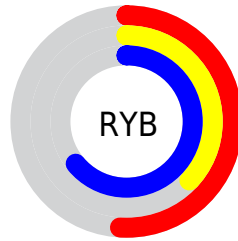
The XYZ color **19.7563, 15.4959, 36.6001** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **24.2165, 31.6882, 15.6672**, and the grayscale version is **15.6017, 16.4142, 17.8751**.

A 20% lighter version of the original color is **42.4622, 35.6870, 70.9799**, and **7.0681, 4.8813, 15.6086** is the 20% darker color. If you saturate the color by 10%, you get **17.2498, 12.2478, 36.1055**, and if you desaturate by 10%, it is **22.6698, 19.4106, 37.2024**.

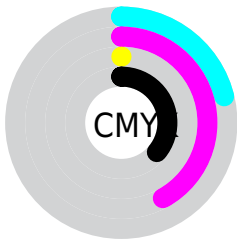
Distribution



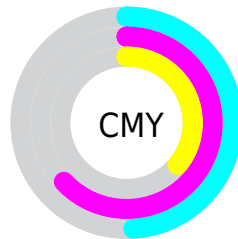
- Red (51%)
- Green (37%)
- Blue (64%)



- Red (51%)
- Yellow (37%)
- Blue (64%)



- Cyan (21%)
- Magenta (42%)
- Yellow (0%)
- Black (36%)



- Cyan (49%)
- Magenta (63%)
- Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.7563, 15.4959, 36.6001 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 19.7563, 15.4959, 36.6001 by changing the saturation by 10% instead.

■ 19.7563, 15.4959,
36.6001

■ 19.7563, 15.4959,
36.6001

243.4515,
226.3485, 346.6923

■ 12.3253, 9.1682,
24.6047

■ 42.5153, 35.7208,
71.1367

■ 7.0394, 4.8510,
15.5664

■ 58.5739, 50.3868,
94.5150

■ 3.5333, 2.1601,
9.0669

■ 78.2392, 68.6009,
122.5247

■ 1.4416, 0.6981,
4.6874

■ 101.8764, 90.7477,
155.5842

■ 0.2856, 0.0000,
2.0095

129.8508,
117.2114, 194.1122

■ 0.0000, 0.0000,
0.5611

162.5279,

■ 0.0000, 0.0000,

148.3765, 238.5272

0.0000

200.2731,
184.6274, 289.2478

■ 19.7563, 15.4959,
36.6001

■ 19.7563, 15.4959,
36.6001

■ 17.2498, 12.2478,
36.1055

■ 22.6698, 19.4106,
37.2024

■ 15.1272, 9.6245,
35.7110

■ 26.0087, 24.0265,
37.9174

■ 13.3650, 7.5825,
35.4098

■ 29.7918, 29.3778,
38.7509

■ 11.9364, 6.0716,
35.1934

■ 34.0365, 35.4962,
39.7082

■ 10.8097, 5.0322,
35.0522

■ 38.7591, 42.4111,
40.7940

■ 10.0472, 4.4159,
34.9734

■ 43.9750, 50.1507,
42.0129

■ 49.6991, 58.7416,
43.3695

■ 55.9453, 68.2092,
44.8677

■ 62.7274, 78.5779,
46.5116

Harmonies

Analogous

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



16.1022, 15.4959, 44.6905



19.7563, 15.4959, 36.6001



22.2817, 15.4959, 24.1183

Triad

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



19.7563, 15.4959, 36.6001



17.0788, 15.4959, 4.2203



8.9356, 15.4959, 20.9856

Complementary

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



19.7563, 15.4959, 36.6001



24.2165, 31.6882, 15.6672

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.



9.1100, 15.4959, 11.2459



19.7563, 15.4959, 36.6001



13.4351, 15.4959, 3.9514

Square

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



19.7563, 15.4959, 36.6001



20.5706, 15.4959, 6.9170



10.6353, 15.4959, 5.9247



10.1125, 15.4959, 33.5208

Rectangle

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



19.7563, 15.4959, 36.6001



22.7732, 15.4959, 16.4871



10.6353, 15.4959, 5.9247



8.8438, 15.4959, 17.2636

Sweetspot

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



19.7569, 15.4965, 36.6005



52.2686, 51.0643, 69.1577



19.3311, 21.0786, 37.7003



11.4068, 10.9963, 15.4588



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

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



19.7569, 15.4965, 36.6005



31.2216, 22.3519, 64.7249



25.5767, 18.4968, 36.8728



7.0221, 7.0257, 8.8891



7.8609, 3.4589, 27.1831



0.2197, 0.1008, 0.5737

Inverse Universe

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



23.1594, 17.5565, 22.9377



38.4219, 26.7112, 35.8125



20.0012, 29.5151, 15.4699



7.2145, 7.1423, 8.1162



12.9307, 6.5283, 6.8256



0.2956, 0.1467, 0.2690

Previews

White Background



This preview shows how the XYZ color 19.7563, 15.4959, 36.6001 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 19.7563, 15.4959, 36.6001 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 19.7563, 15.4959, 36.6001

Background



This preview shows how black text looks on a background with the XYZ color 19.7563, 15.4959, 36.6001.



This preview shows how white text looks on a background with the XYZ color 19.7563, 15.4959,

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

19.7563, 15.4959, 36.6001

Protanopia

16.7489, 15.7124, 42.1944

Deuteranopia

15.9336, 15.5992, 35.4289



Tritanopia

16.0765, 15.5879, 18.0810

Trichromacy



Original Color

19.7563, 15.4959, 36.6001

Protanomaly

17.4728, 15.3695, 40.0759

Deuteranomaly

17.0923, 15.4169, 35.7931

Tritanomaly

17.2284, 15.4538, 23.9046

Monochromacy



Original Color

19.7563, 15.4959, 36.6001

Achromatopsia

15.6958, 16.5132, 17.9829

Achromatomaly

16.8585, 15.8687, 23.6472

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.7563, 15.4959, 36.6001 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(129, 95, 163)` looks like.

```
.text, #text, p{  
    color:rgb(129, 95, 163)  
}
```

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(129, 95, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 95, 163) }
```

Border

The CSS property to change the border of an element to XYZ 19.7563, 15.4959, 36.6001 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(129, 95, 163) }
```


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

```
.border{ border-color:rgb(129, 95, 163) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 95, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 95, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 95, 163);  
box-shadow:4px 4px 4px 4px rgb(129, 95,  
163) }
```

Background

The CSS property to change the background color of an element to XYZ 19.7563, 15.4959, 36.6001 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 95, 163) }
```

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

```
.background{ background-color: rgb(129, 95,  
163) }
```

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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