

Converting Colors

XYZ(19.6452, 11.4914, 42.9155)

Have a look what the booklet for
XYZ(19.6452, 11.4914, 42.9155)
contains.

XYZ(19.6531, 11.5365, 42.7859)	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(19.6531, 11.5365,
42.7859)**

Conversions

Conversions Part 1

Format	Color
Hex	883BB1
RGB	136, 59, 177
RGB Percent	53%, 23%, 69%
CMY	0.4667, 0.7686, 0.3059
CMYK	0.23, 0.67, 0.00, 0.31
HSL	279°, 50%, 46%
HSV	279°, 67%, 69%
XYZ	19.6531, 11.5365, 42.7859
YIQ	95.4750, 8.0140, 53.0220

Conversions

Conversions Part 2

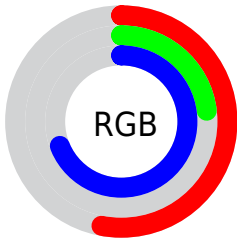
Format	Color
R_{YB}	136, 59, 177
Decimal	8928177
CIE _{Lab}	40.47, 52.26, -49.13
CIE _{LCh}	40, 71.728, 316.770
Yxy	11.5365, 0.2657, 0.1560
Android (android.graphics.Color)	4287118257 (0xFF883BB1)
YUV	95.4750, 40.1918, 35.5404
Hunter-Lab	33.9654, 43.8443, -50.9112

Details

The XYZ color **19.6531, 11.5365, 42.7859** is a dark color, and the websafe version is hex **663399**. A complement of this color would be **21.7674, 34.4696, 9.6441**, and the grayscale version is **10.8968, 11.4643, 12.4846**.

A 20% lighter version of the original color is **42.2404, 28.6780, 80.3999**, and **6.9685, 3.1794, 18.9853** is the 20% darker color. If you saturate the color by 10%, you get **17.9225, 9.5154, 42.4872**, and if you desaturate by 10%, it is **21.7504, 14.2048, 43.1906**.

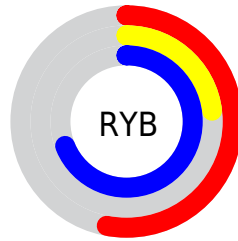
Distribution



Red (53%)

Green (23%)

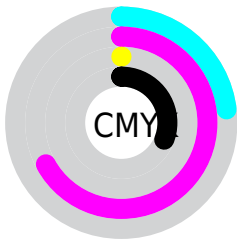
Blue (69%)



Red (53%)

Yellow (23%)

Blue (69%)

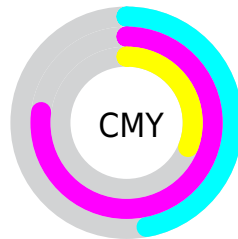


Cyan (23%)

Magenta (67%)

Yellow (0%)

Black (31%)



Cyan (47%)

Magenta (77%)

Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.6531, 11.5365, 42.7859 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 19.6531, 11.5365, 42.7859 by changing the saturation by 10% instead.

■ 19.6531, 11.5365,
42.7859

■ 19.6531, 11.5365,
42.7859

242.9004,
201.3122, 373.6259

■ 12.2499, 6.4289,
29.3870

■ 42.3432, 28.6481,
80.6706

■ 6.9875, 3.1076,
19.1257

■ 58.3609, 41.4208,
105.9934

■ 3.5006, 1.1882,
11.5834

■ 77.9807, 57.5175,
136.1280

■ 1.4237, 0.0520,
6.3416

■ 101.5681, 77.3223,
171.4929

■ 0.2730, 0.0000,
2.9818

■ 129.4884,
101.2198, 212.5065

■ 0.0000, 0.0000,
1.0853

■ 162.1070,

■ 0.0000, 0.0000,

129.5944, 259.5876

0.0000

199.7892,
162.8304, 313.1545

■ 19.6531, 11.5365,
42.7859

■ 19.6531, 11.5365,
42.7859

■ 17.9225, 9.5154,
42.4872

■ 21.7504, 14.2048,
43.1906

■ 16.5235, 8.0743,
42.2828

■ 24.2419, 17.5756,
43.7099

■ 15.4105, 7.1227,
42.1578

■ 27.1539, 21.6998,
44.3525

■ 15.0722, 6.8533,
42.1236

■ 30.5100, 26.6229,
45.1259

■ 34.3318, 32.3870,
46.0370

■ 38.6394, 39.0309,
47.0924

■ 43.4516, 46.5911,
48.2980

■ 48.7862, 55.1021,
49.6596

■ 54.6602, 64.5964,
51.1826

Harmonies

Analogous

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



14.0065, 11.5365, 62.3023



19.6531, 11.5365, 42.7859



23.3675, 11.5365, 20.0468

Triad

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



19.6531, 11.5365, 42.7859



13.3367, 11.5365, 0.0000



4.0561, 11.5365, 22.3946

Complementary

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



19.6531, 11.5365, 42.7859



21.7674, 34.4696, 9.6441

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.



3.9767, 11.5365, 7.2185



19.6531, 11.5365, 42.7859



8.3993, 11.5365, 0.0767

Square

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



19.6531, 11.5365, 42.7859



19.0351, 11.5365, 1.2485



5.3101, 11.5365, 1.5272



5.5754, 11.5365, 45.5897

Rectangle

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



19.6531, 11.5365, 42.7859



23.6831, 11.5365, 9.5647



5.3101, 11.5365, 1.5272



3.8810, 11.5365, 16.1262

Sweetspot

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



19.6536, 11.5369, 42.7862



58.8713, 54.0290, 81.8211



14.3258, 13.2766, 43.4028



12.3524, 11.0967, 17.6352



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

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



19.6536, 11.5369, 42.7862



30.8506, 15.7068, 75.9010



25.9798, 14.9890, 34.4618



8.5577, 8.4960, 10.6952



10.9876, 5.0001, 30.5230



0.4057, 0.1882, 0.9632

Inverse Universe

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



21.9960, 13.3955, 13.4832



36.2437, 19.8057, 16.5767



18.8551, 32.9059, 12.3239



8.6142, 8.5524, 9.4669



13.7832, 7.0308, 4.0181



0.4619, 0.2325, 0.2750

Previews

White Background



This preview shows how the XYZ color 19.6531, 11.5365, 42.7859 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 19.6531, 11.5365, 42.7859 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

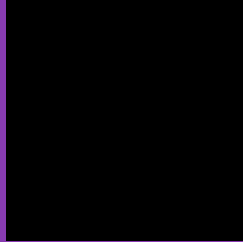
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 19.6531, 11.5365, 42.7859

Background



This preview shows how black text looks on a background with the XYZ color 19.6531, 11.5365, 42.7859.



This preview shows how white text looks on a background with the XYZ color 19.6531, 11.5365,

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

19.6531, 11.5365, 42.7859

Protanopia

13.7910, 11.6398, 53.7444

Deuteranopia

12.0371, 11.7129, 39.6566



Tritanopia

13.2856, 11.5659, 11.6574

Trichromacy



Original Color

19.6531, 11.5365, 42.7859



Protanomaly

13.3206, 10.0644, 49.3847



Deuteranomaly

13.0200, 10.4326, 40.8626



Tritanomaly

14.9120, 11.1110, 20.0976

Monochromacy



Original Color

19.6531, 11.5365, 42.7859



Achromatopsia

10.8771, 11.4435, 12.4620



Achromatomaly

13.1494, 10.8303, 20.7994

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.6531, 11.5365, 42.7859 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(136, 59, 177)` looks like.

```
.text, #text, p{  
    color:rgb(136, 59, 177)  
}
```

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(136, 59, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 59, 177) }
```

Border

The CSS property to change the border of an element to XYZ 19.6531, 11.5365, 42.7859 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(136, 59, 177) }
```


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

```
.border{ border-color:rgb(136, 59, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(136, 59, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(136, 59, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(136, 59, 177);  
box-shadow:4px 4px 4px 4px rgb(136, 59,  
177) }
```

Background

The CSS property to change the background color of an element to XYZ 19.6531, 11.5365, 42.7859 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 59, 177) }
```

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

```
.background{ background-color: rgb(136, 59,  
177) }
```

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