

Converting Colors

XYZ(19.1654, 10.2710, 19.2419)

Have a look what the booklet for
XYZ(19.1654, 10.2710, 19.2419)
contains.

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Color

**XYZ(19.1610, 10.2794,
19.3866)**

Conversions

Conversions Part 1

Format	Color
Hex	A3217A
RGB	163, 33, 122
RGB Percent	64%, 13%, 48%
CMY	0.3608, 0.8706, 0.5216
CMYK	0.00, 0.80, 0.25, 0.36
HSL	319°, 66%, 38%
HSV	319°, 80%, 64%
XYZ	19.1610, 10.2794, 19.3866
YIQ	82.0160, 48.9110, 55.2390

Conversions

Conversions Part 2

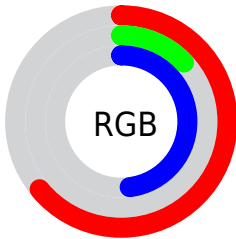
Format	Color
R_{YB}	163, 33, 122
Decimal	10690938
CIE _{Lab}	38.34, 58.96, -18.83
CIE _{LCh}	38, 61.889, 342.290
Yxy	10.2794, 0.3924, 0.2105
Android (android.graphics.Color)	4288881018 (0xFFA3217A)
YUV	82.0160, 19.7121, 71.0230
Hunter-Lab	32.0615, 50.5698, -13.4078

Details

The XYZ color **19.1610, 10.2794, 19.3866** is a dark color, and the websafe version is hex **990066**. A complement of this color would be **14.9611, 27.0126, 10.9056**, and the grayscale version is **7.9790, 8.3946, 9.1417**.

A 20% lighter version of the original color is **41.4710, 26.2960, 43.4473**, and **7.2660, 3.6068, 6.6166** is the 20% darker color. If you saturate the color by 10%, you get **18.5029, 9.4596, 17.6369**, and if you desaturate by 10%, it is **20.0556, 11.5451, 21.2984**.

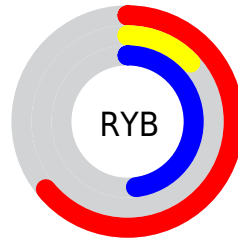
Distribution



Red (64%)

Green (13%)

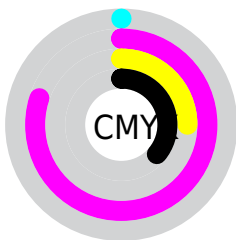
Blue (48%)



Red (64%)

Yellow (13%)

Blue (48%)

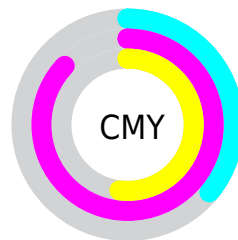


Cyan (0%)

Magenta (80%)

Yellow (25%)

Black (36%)



Cyan (36%)


Magenta (87%)


Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.1610, 10.2794, 19.3866 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 19.1610, 10.2794, 19.3866 by changing the saturation by 10% instead.

 19.1610, 10.2794,
19.3866


 19.1610, 10.2794,
19.3866


240.2572,
192.6547, 261.0683


 11.8914, 5.5846,
11.7703


 41.5207, 26.3197,
43.2317


 6.7414, 2.5942,
6.4668


 57.3416, 38.4340,
60.2976


 3.3458, 0.9237,
3.0576

 76.7435, 53.7903,
81.3505

 1.3392, 0.0000,
1.1241

 100.0919, 72.7729,
106.8089

 0.2122, 0.0000,
0.0000

 127.7521, 95.7662,
137.0913

 0.0000, 0.0000,
0.0000

 160.0895,

123.1547, 172.6163

197.4694,
155.3228, 213.8025

■ 19.1610, 10.2794,
19.3866

■ 19.1610, 10.2794,
19.3866

■ 18.5029, 9.4596,
17.6369

■ 20.0556, 11.5451,
21.2984

■ 18.0177, 8.9590,
16.0267

■ 21.2140, 13.3112,
23.3825

■ 18.0061, 8.9473,
15.9875

■ 22.6606, 15.6258,
25.6483

■ 24.4166, 18.5311,
28.1041

■ 26.5013, 22.0652,
30.7574

■ 28.9322, 26.2628,
33.6152

■ 31.7256, 31.1562,
36.6841

■ 34.8968, 36.7756,
39.9703

■ 38.4601, 43.1491,
43.4796

Harmonies

Analogous

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



15.9632, 10.2794, 36.9249



19.1610, 10.2794, 19.3866



19.4595, 10.2794, 7.1039

Triad

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



19.1610, 10.2794, 19.3866



8.2127, 10.2794, 0.3937



5.0879, 10.2794, 33.7347

Complementary

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



19.1610, 10.2794, 19.3866



14.9611, 27.0126, 10.9056

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.



3.9885, 10.2794, 16.6089



19.1610, 10.2794, 19.3866



5.4305, 10.2794, 1.4964

Square

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



19.1610, 10.2794, 19.3866



12.3207, 10.2794, 0.4996



4.0937, 10.2794, 5.7102



7.5986, 10.2794, 48.4075

Rectangle

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



19.1610, 10.2794, 19.3866



17.8888, 10.2794, 3.0330



4.0937, 10.2794, 5.7102



4.5766, 10.2794, 27.7148

Sweetspot

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



19.1613, 10.2799, 19.3868



49.6915, 43.3525, 57.7520



9.8280, 5.1105, 35.1190



10.8346, 9.1753, 12.5836



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.



19.1613, 10.2799, 19.3868



32.4534, 16.2532, 29.2633



16.4381, 9.1906, 5.0463



7.2688, 7.1640, 8.4018



14.0152, 6.9621, 12.5367



0.3144, 0.1542, 0.3681

Inverse Universe

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



19.1613, 10.2799, 19.3868



32.4534, 16.2532, 29.2633



18.2403, 28.3242, 28.1735



7.2688, 7.1640, 8.4018



14.0152, 6.9621, 12.5367



0.3144, 0.1542, 0.3681

Previews

White Background



This preview shows how the XYZ color 19.1610, 10.2794, 19.3866 looks on a white background.

Color Contrast Check

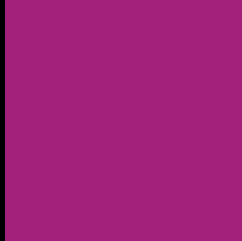
Large Text (above 18pt) WCAG AA ✓ Pass

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 19.1610, 10.2794, 19.3866 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

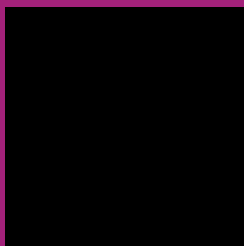
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 19.1610, 10.2794, 19.3866

Background



This preview shows how black text looks on a background with the XYZ color 19.1610, 10.2794, 19.3866.



This preview shows how white text looks on a background with the XYZ color 19.1610, 10.2794,

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

19.1610, 10.2794, 19.3866

Protanopia

11.9395, 10.6736, 37.0282

Deuteranopia

10.7752, 10.6248, 17.7025



Tritanopia

16.2562, 10.3172, 5.2723

Trichromacy



Original Color

19.1610, 10.2794, 19.3866

Protanomaly

12.1690, 8.8059, 29.4921

Deuteranomaly

12.4684, 9.2091, 18.2599

Tritanomaly

17.0367, 10.1158, 9.0373

Monochromacy



Original Color

19.1610, 10.2794, 19.3866

Achromatopsia

8.0200, 8.4376, 9.1886

Achromatomaly

10.5466, 7.9094, 12.2801

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.1610, 10.2794, 19.3866 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(163, 33, 122)` looks like.

```
.text, #text, p{  
    color:rgb(163, 33, 122)  
}
```

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(163, 33, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 33, 122) }
```

Border

The CSS property to change the border of an element to XYZ 19.1610, 10.2794, 19.3866 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(163, 33, 122) }
```


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

```
.border{ border-color:rgb(163, 33, 122) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 33, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 33, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 33, 122);  
box-shadow:4px 4px 4px 4px rgb(163, 33,  
122) }
```

Background

The CSS property to change the background color of an element to XYZ 19.1610, 10.2794, 19.3866 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 33, 122) }
```

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

```
.background{ background-color: rgb(163, 33,  
122) }
```

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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