

Converting Colors

XYZ(19.2196, 10.7976, 20.9611)

Have a look what the booklet for
XYZ(19.2196, 10.7976, 20.9611)
contains.

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Color

**XYZ(19.1638, 10.7813,
20.8096)**

Conversions

Conversions Part 1

Format	Color
Hex	A02C7E
RGB	160, 44, 126
RGB Percent	63%, 17%, 49%
CMY	0.3725, 0.8274, 0.5059
CMYK	0.00, 0.72, 0.21, 0.37
HSL	318°, 57%, 40%
HSV	318°, 72%, 63%
XYZ	19.1638, 10.7813, 20.8096
YIQ	88.0320, 42.8140, 50.0940

Conversions

Conversions Part 2

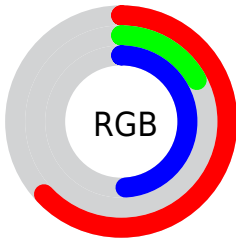
Format	Color
R_{YB}	160, 44, 126
Decimal	10497150
CIE _{Lab}	39.21, 55.22, -20.01
CIE _{LCh}	39, 58.734, 340.077
Yxy	10.7813, 0.3776, 0.2124
Android (android.graphics.Color)	4288687230 (0xFFA02C7E)
YUV	88.0320, 18.7182, 63.1159
Hunter-Lab	32.8349, 46.7189, -14.5915

Details

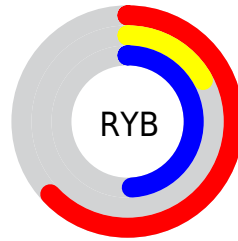
The XYZ color **19.1638, 10.7813, 20.8096** is a dark color, and the websafe version is hex **990066**. A complement of this color would be **14.9853, 26.2276, 11.4816**, and the grayscale version is **9.2373, 9.7184, 10.5833**.

A 20% lighter version of the original color is **41.6073, 27.2744, 45.7194**, and **7.0485, 3.4789, 7.3212** is the 20% darker color. If you saturate the color by 10%, you get **18.3830, 9.6926, 19.0911**, and if you desaturate by 10%, it is **20.1893, 12.3363, 22.6799**.

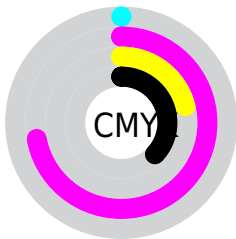
Distribution



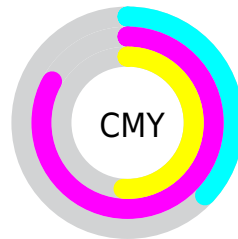
- Red (63%)
- Green (17%)
- Blue (49%)



- Red (63%)
- Yellow (17%)
- Blue (49%)



- Cyan (0%)
- Magenta (72%)
- Yellow (21%)
- Black (37%)



- Cyan (37%)
- Magenta (83%)
- Yellow (51%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.1638, 10.7813, 20.8096 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 19.1638, 10.7813, 20.8096 by changing the saturation by 10% instead.

■ 19.1638, 10.7813,
20.8096

■ 19.1638, 10.7813,
20.8096

240.2723,
196.1609, 269.0126

■ 11.8934, 5.9200,
12.7950

■ 41.5254, 27.2550,
45.6471

■ 6.7428, 2.7965,
7.1585

■ 57.3474, 39.6362,
63.3071

■ 3.3467, 1.0264,
3.4815

■ 76.7506, 55.2929,
85.0193

■ 1.3396, 0.0000,
1.3454

■ 100.1003, 74.6093,
111.2023

■ 0.2126, 0.0000,
0.0986

■ 127.7620, 97.9699,
142.2746

■ 0.0000, 0.0000,
0.0000

■ 160.1010,

125.7591, 178.6547

197.4827,
158.3613, 220.7612

■ 19.1638, 10.7813,
20.8096

■ 19.1638, 10.7813,
20.8096

■ 18.3830, 9.6926,
19.0911

■ 20.1893, 12.3363,
22.6799

■ 17.8175, 9.0122,
17.5133

■ 21.4822, 14.4034,
24.7102

■ 17.4836, 8.6682,
16.4043

■ 23.0638, 17.0246,
26.9085

■ 24.9529, 20.2371,
29.2822

■ 27.1666, 24.0750,
31.8376

■ 29.7208, 28.5695,
34.5810

■ 32.6302, 33.7502,
37.5182

■ 35.9087, 39.6443,
40.6546

■ 39.5695, 46.2780,
43.9954

Harmonies

Analogous

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



15.9495, 10.7813, 37.4519



19.1638, 10.7813, 20.8096



19.6800, 10.7813, 8.3327

Triad

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



19.1638, 10.7813, 20.8096



8.9763, 10.7813, 0.6834



5.4690, 10.7813, 32.0223

Complementary

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



19.1638, 10.7813, 20.8096



14.9853, 26.2276, 11.4816

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.



4.4452, 10.7813, 15.9663



19.1638, 10.7813, 20.8096



6.0975, 10.7813, 1.7266

Square

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



19.1638, 10.7813, 20.8096



13.0563, 10.7813, 0.8658



4.6412, 10.7813, 5.7821



7.8732, 10.7813, 46.3106

Rectangle

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



19.1638, 10.7813, 20.8096



18.3152, 10.7813, 3.8693



4.6412, 10.7813, 5.7821



4.9840, 10.7813, 26.3437

Sweetspot

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



19.1642, 10.7818, 20.8098



49.3575, 43.7672, 57.8421



10.2963, 5.9124, 33.8565



10.5908, 9.1906, 12.4231



76.7382, 80.7346, 87.9200



13.3056, 13.9985, 15.2444

Same Dimension

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



19.1642, 10.7818, 20.8098



32.7008, 16.7549, 32.8638



16.4767, 9.7069, 6.6580



6.8212, 6.7214, 7.9097



13.6392, 6.7603, 12.8831



0.2613, 0.1278, 0.3219

Inverse Universe

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



19.1642, 10.7818, 20.8098



32.7008, 16.7549, 32.8638



17.9738, 27.4230, 27.2190



6.8212, 6.7214, 7.9097



13.6392, 6.7603, 12.8831



0.2613, 0.1278, 0.3219

Previews

White Background



This preview shows how the XYZ color 19.1638, 10.7813, 20.8096 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 19.1638, 10.7813, 20.8096 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

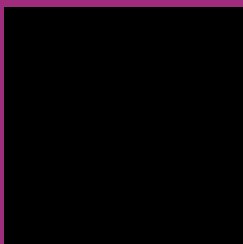
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 19.1638, 10.7813, 20.8096

Background



This preview shows how black text looks on a background with the XYZ color 19.1638, 10.7813, 20.8096.



This preview shows how white text looks on a background with the XYZ color 19.1638, 10.7813,

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

19.1638, 10.7813, 20.8096

Protanopia

12.2764, 11.1186, 36.1494

Deuteranopia

11.2767, 11.1100, 19.0029



Tritanopia

16.2236, 10.8072, 6.3852

Trichromacy



Original Color

19.1638, 10.7813, 20.8096

Protanomaly

12.8836, 9.6410, 30.0360

Deuteranomaly

13.0992, 10.0821, 19.6680

Tritanomaly

17.0323, 10.6051, 10.3818

Monochromacy



Original Color

19.1638, 10.7813, 20.8096

Achromatopsia

9.2757, 9.7587, 10.6273

Achromatomaly

11.6551, 9.1714, 13.7263

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.1638, 10.7813, 20.8096 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(160, 44, 126)` looks like.

```
.text, #text, p{  
    color:rgb(160, 44, 126)  
}
```

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(160, 44, 126) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(160, 44, 126) }
```

Border

The CSS property to change the border of an element to XYZ 19.1638, 10.7813, 20.8096 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(160, 44, 126) }
```


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

```
.border{ border-color:rgb(160, 44, 126) }
```

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

Here you see how a box with a 4 pixel `rgb(160, 44, 126)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(160, 44, 126); -webkit-box-  
shadow:4px 4px 4px 4px rgb(160, 44, 126);  
box-shadow:4px 4px 4px 4px rgb(160, 44,  
126) }
```

Background

The CSS property to change the background color of an element to XYZ 19.1638, 10.7813, 20.8096 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(160, 44, 126) }
```

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

```
.background{ background-color: rgb(160, 44,  
126) }
```

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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