

Converting Colors

XYZ(19.6341, 13.5638, 21.9034)

Have a look what the booklet for
XYZ(19.6341, 13.5638, 21.9034)
contains.

XYZ(19.6870, 13.6386, 22.0170)	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(19.6870, 13.6386,
22.0170)**

Conversions

Conversions Part 1

Format	Color
Hex	994D80
RGB	153, 77, 128
RGB Percent	60%, 30%, 50%
CMY	0.4000, 0.6980, 0.4980
CMYK	0.00, 0.50, 0.16, 0.40
HSL	320°, 33%, 45%
HSV	320°, 50%, 60%
XYZ	19.6870, 13.6386, 22.0170
YIQ	105.5380, 28.9250, 31.9730

Conversions

Conversions Part 2

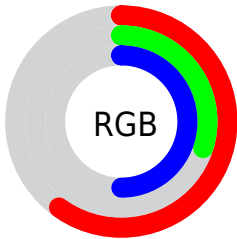
Format	Color
R_{YB}	153, 77, 128
Decimal	10046848
CIE _{Lab}	43.71, 38.46, -14.44
CIE _{LCh}	44, 41.086, 339.422
Yxy	13.6386, 0.3557, 0.2464
Android (android.graphics.Color)	4288236928 (0xFF994D80)
YUV	105.5380, 11.0738, 41.6242
Hunter-Lab	36.9305, 30.5269, -9.4958

Details

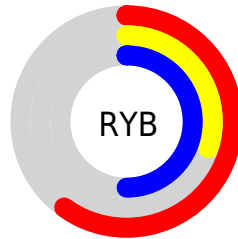
The XYZ color **19.6870, 13.6386, 22.0170** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **16.8507, 25.3199, 16.5706**, and the grayscale version is **13.5391, 14.2442, 15.5119**.

A 20% lighter version of the original color is **42.3542, 32.3298, 47.7240**, and **7.0362, 4.0126, 7.8008** is the 20% darker color. If you saturate the color by 10%, you get **18.4166, 11.6148, 19.9994**, and if you desaturate by 10%, it is **21.2265, 16.1739, 24.2056**.

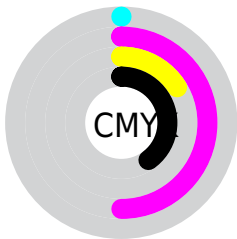
Distribution



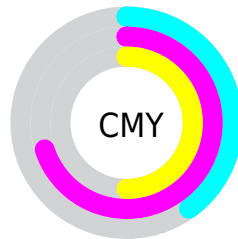
- Red (60%)
- Green (30%)
- Blue (50%)



- Red (60%)
- Yellow (30%)
- Blue (50%)



- Cyan (0%)
- Magenta (50%)
- Yellow (16%)
- Black (40%)



- Cyan (40%)
- Magenta (70%)
- Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.6870, 13.6386, 22.0170 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 19.6870, 13.6386, 22.0170 by changing the saturation by 10% instead.

■ 19.6870, 13.6386,
22.0170

■ 19.6870, 13.6386,
22.0170

243.0816,
214.9708, 275.5914

■ 12.2747, 7.8697,
13.6710

■ 42.3998, 32.4464,
47.6766

■ 7.0046, 4.0117,
7.7560

■ 58.4309, 46.2541,
65.8273

■ 3.5113, 1.6801,
3.8537

■ 78.0656, 63.5102,
88.0833

■ 1.4296, 0.4107,
1.5454

■ 101.6694, 84.5992,
114.8631

■ 0.2771, 0.0000,
0.2514

■ 129.6075,
109.9053, 146.5853

■ 0.0000, 0.0000,
0.0000

162.2454,

139.8130, 183.6684

199.9483,
174.7067, 226.5309

■ 19.6870, 13.6386,
22.0170

■ 19.6870, 13.6386,
22.0170

■ 18.4166, 11.6148,
19.9994

■ 21.2265, 16.1739,
24.2056

■ 17.3959, 10.0645,
18.1449

■ 23.0501, 19.2512,
26.5711

■ 16.6047, 8.9478,
16.4456

■ 25.1735, 22.9008,
29.1198

■ 16.0191, 8.2170,
14.8923

■ 27.6106, 27.1504,
31.8575

■ 15.5823, 7.7592,
13.4650

■ 30.3744, 32.0258,
34.7897

■ 15.5685, 7.7450,
13.4194

■ 33.4773, 37.5511,
37.9214

■ 36.9309, 43.7495,
41.2576

■ 40.7462, 50.6427,
44.8031

■ 44.9340, 58.2517,
48.5622

Harmonies

Analogous

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



17.3186, 13.6386, 33.2542



19.6870, 13.6386, 22.0170



20.1026, 13.6386, 12.1256

Triad

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



19.6870, 13.6386, 22.0170



11.9731, 13.6386, 3.3096



8.7344, 13.6386, 29.2438

Complementary

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



19.6870, 13.6386, 22.0170



16.8507, 25.3199, 16.5706

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.



7.7525, 13.6386, 17.9550



19.6870, 13.6386, 22.0170



9.4069, 13.6386, 4.9147

Square

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



19.6870, 13.6386, 22.0170



15.2699, 13.6386, 3.6495



7.9764, 13.6386, 9.4365



10.9012, 13.6386, 38.4890

Rectangle

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



19.6870, 13.6386, 22.0170



19.1573, 13.6386, 7.7165



7.9764, 13.6386, 9.4365



8.2727, 13.6386, 25.4083

Sweetspot

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



19.6874, 13.6392, 22.0173



46.9213, 44.2064, 54.2524



13.7786, 10.3790, 31.4142



10.1790, 9.4452, 11.7733



72.9764, 76.7769, 83.6100



11.9732, 12.5967, 13.7178

Same Dimension

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



19.6874, 13.6392, 22.0173



32.6771, 20.3271, 35.2949



17.6767, 12.8350, 11.4290



6.3748, 6.2891, 7.3536



12.8829, 6.4074, 11.1741



0.2092, 0.1024, 0.2544

Inverse Universe

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



19.6874, 13.6392, 22.0173



32.6771, 20.3271, 35.2949



19.1173, 26.2266, 28.5067



6.3748, 6.2891, 7.3536



12.8829, 6.4074, 11.1741



0.2092, 0.1024, 0.2544

Previews

White Background



This preview shows how the XYZ color 19.6870, 13.6386, 22.0170 looks on a white background.

Color Contrast Check

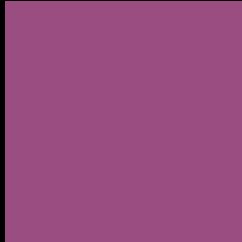
Large Text (above 18pt) WCAG AA ✓ Pass

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 19.6870, 13.6386, 22.0170 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

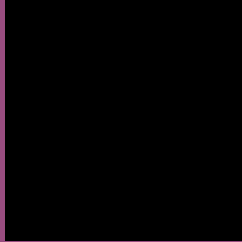
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 19.6870, 13.6386, 22.0170

Background



This preview shows how black text looks on a background with the XYZ color 19.6870, 13.6386, 22.0170.



This preview shows how white text looks on a background with the XYZ color 19.6870, 13.6386,

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

19.6870, 13.6386, 22.0170

Protanopia

14.2343, 13.7830, 29.5139

Deuteranopia

14.0007, 13.7057, 20.9763



Tritanopia

17.5313, 13.6419, 11.6067

Trichromacy



Original Color

19.6870, 13.6386, 22.0170

Protanomaly

15.4580, 13.2329, 26.5504

Deuteranomaly

15.5549, 13.2725, 21.1441

Tritanomaly

18.0937, 13.5181, 14.7523

Monochromacy



Original Color

19.6870, 13.6386, 22.0170

Achromatopsia

13.6994, 14.4128, 15.6956

Achromatomaly

15.2979, 13.6103, 17.7403

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.6870, 13.6386, 22.0170 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(153, 77, 128)` looks like.

```
.text, #text, p{  
    color:rgb(153, 77, 128)  
}
```

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(153, 77, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 77, 128) }
```

Border

The CSS property to change the border of an element to XYZ 19.6870, 13.6386, 22.0170 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(153, 77, 128) }
```


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

```
.border{ border-color:rgb(153, 77, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 77, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 77, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 77, 128);  
box-shadow:4px 4px 4px 4px rgb(153, 77,  
128) }
```

Background

The CSS property to change the background color of an element to XYZ 19.6870, 13.6386, 22.0170 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 77, 128) }
```

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

```
.background{ background-color: rgb(153, 77,  
128) }
```

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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