

Converting Colors

XYZ(19.8460, 12.5470, 17.5539)

Have a look what the booklet for
XYZ(19.8460, 12.5470, 17.5539)
contains.

XYZ(19.7723, 12.4742, 17.5853)	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(19.7723, 12.4742,
17.5853)**

Conversions

Conversions Part 1

Format	Color
Hex	A23F73
RGB	162, 63, 115
RGB Percent	64%, 25%, 45%
CMY	0.3647, 0.7529, 0.5490
CMYK	0.00, 0.61, 0.29, 0.36
HSL	328°, 44%, 44%
HSV	328°, 61%, 64%
XYZ	19.7723, 12.4742, 17.5853
YIQ	98.5290, 42.3120, 37.1600

Conversions

Conversions Part 2

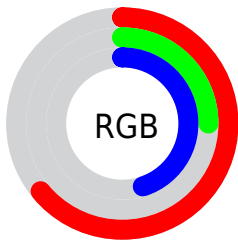
Format	Color
R_{YB}	162, 63, 115
Decimal	10633075
CIE Lab	41.96, 46.43, -8.99
CIE LCh	42, 47.296, 349.048
Yxy	12.4742, 0.3968, 0.2503
Android (android.graphics.Color)	4288823155 (0xFFA23F73)
YUV	98.5290, 8.1202, 55.6641
Hunter-Lab	35.3188, 38.1205, -4.7974

Details

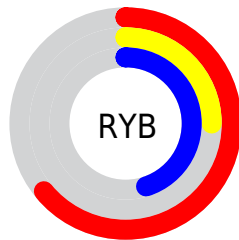
The XYZ color **19.7723, 12.4742, 17.5853** is a dark color, and the websafe version is hex **993366**. A complement of this color would be **17.7854, 28.0236, 19.2251**, and the grayscale version is **11.7149, 12.3249, 13.4219**.

A 20% lighter version of the original color is **42.4339, 30.3409, 40.1791**, and **7.0765, 3.5310, 5.6188** is the 20% darker color. If you saturate the color by 10%, you get **18.5792, 10.7670, 15.0943**, and if you desaturate by 10%, it is **21.2670, 14.7254, 20.3593**.

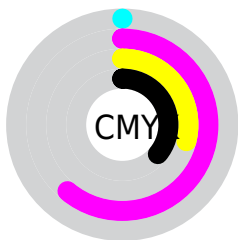
Distribution



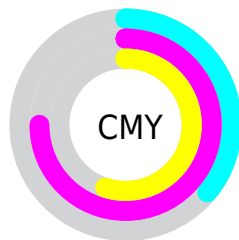
- Red (64%)
- Green (25%)
- Blue (45%)



- Red (64%)
- Yellow (25%)
- Blue (45%)



- Cyan (0%)
- Magenta (61%)
- Yellow (29%)
- Black (36%)



- Cyan (36%)
- Magenta (75%)
- Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.7723, 12.4742, 17.5853 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 19.7723, 12.4742, 17.5853 by changing the saturation by 10% instead.

■ 19.7723, 12.4742,
17.5853

■ 19.7723, 12.4742,
17.5853

243.5369,
207.5198, 250.6802

■ 12.3369, 7.0675,
10.4863

■ 42.5420, 30.3559,
40.1338

■ 7.0474, 3.5043,
5.6128

■ 58.6070, 43.5996,
56.4203

■ 3.5384, 1.4004,
2.5461

■ 78.2792, 60.2245,
76.6065

■ 1.4444, 0.2170,
0.8645

■ 101.9241, 80.6149,
101.1108

■ 0.2876, 0.0000,
0.0000

■ 129.9070,
105.1553, 130.3517

■ 0.0000, 0.0000,
0.0000

162.5931,

134.2299, 164.7480

200.3480,
168.2233, 204.7179

■ 19.7723, 12.4742,
17.5853

■ 19.7723, 12.4742,
17.5853

■ 18.5792, 10.7670,
15.0943

■ 21.2670, 14.7254,
20.3593

■ 17.6619, 9.5536,
12.8730

■ 23.0842, 17.5611,
23.4271

■ 16.9914, 8.7779,
10.9071

■ 25.2439, 21.0200,
26.7997

■ 16.5435, 8.3387,
9.3501

■ 27.7642, 25.1371,
30.4872

■ 30.6620, 29.9446,
34.4990

■ 33.9529, 35.4728,
38.8442

■ 37.6517, 41.7499,
43.5312

■ 41.7723, 48.8028,
48.5684

■ 46.3282, 56.6570,
53.9637

Harmonies

Analogous

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



17.7039, 12.4742, 30.5482



19.7723, 12.4742, 17.5853



19.4283, 12.4742, 8.2105

Triad

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



19.7723, 12.4742, 17.5853



9.7917, 12.4742, 2.2924



7.9679, 12.4742, 33.9740

Complementary

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



19.7723, 12.4742, 17.5853



17.7854, 28.0236, 19.2251

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.



6.5624, 12.4742, 20.8984



19.7723, 12.4742, 17.5853



7.4631, 12.4742, 4.4580

Square

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



19.7723, 12.4742, 17.5853



13.1822, 12.4742, 2.0838



6.3979, 12.4742, 10.2381



10.6225, 12.4742, 42.6762

Rectangle

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



19.7723, 12.4742, 17.5853



17.8924, 12.4742, 4.6956



6.3979, 12.4742, 10.2381



7.3580, 12.4742, 29.7135

Sweetspot

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



19.7727, 12.4748, 17.5855



51.7890, 47.9202, 57.3017



14.6311, 9.4284, 35.2312



11.3174, 10.2441, 12.4263



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.



19.7727, 12.4748, 17.5855



33.1298, 18.7293, 26.0262



17.6705, 11.6340, 6.5158



7.2219, 7.1452, 8.1548



13.0553, 6.5782, 7.4816



0.2980, 0.1477, 0.2820

Inverse Universe

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



19.7727, 12.4748, 17.5855



33.1298, 18.7293, 26.0262



21.2026, 29.3905, 37.2201



7.2219, 7.1452, 8.1548



13.0553, 6.5782, 7.4816



0.2980, 0.1477, 0.2820

Previews

White Background



This preview shows how the XYZ color 19.7723, 12.4742, 17.5853 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 19.7723, 12.4742, 17.5853 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

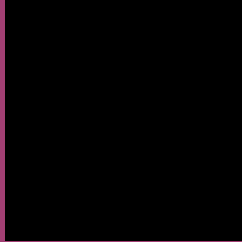
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 19.7723, 12.4742, 17.5853

Background



This preview shows how black text looks on a background with the XYZ color 19.7723, 12.4742, 17.5853.



This preview shows how white text looks on a background with the XYZ color 19.7723, 12.4742,

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

19.7723, 12.4742, 17.5853

Protanopia

13.0318, 12.6551, 26.5668

Deuteranopia

12.9149, 12.6784, 16.5183



Tritanopia

17.9550, 12.5415, 8.4956

Trichromacy



Original Color

19.7723, 12.4742, 17.5853

Protanomaly

14.2847, 11.7131, 22.9807

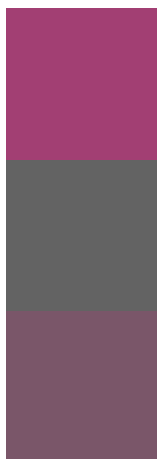
Deuteranomaly

14.7773, 12.1025, 16.8864

Tritanomaly

18.5137, 12.4852, 11.3316

Monochromacy



Original Color

19.7723, 12.4742, 17.5853

Achromatopsia

11.8596, 12.4772, 13.5877

Achromatomaly

13.9036, 11.8131, 14.9120

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.7723, 12.4742, 17.5853 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(162, 63, 115)` looks like.

```
.text, #text, p{  
    color:rgb(162, 63, 115)  
}
```

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(162, 63, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(162, 63, 115) }
```

Border

The CSS property to change the border of an element to XYZ 19.7723, 12.4742, 17.5853 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(162, 63, 115) }
```


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

```
.border{ border-color:rgb(162, 63, 115) }
```

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

Here you see how a box with a 4 pixel rgb(162, 63, 115) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(162, 63, 115); -webkit-box-  
shadow:4px 4px 4px 4px rgb(162, 63, 115);  
box-shadow:4px 4px 4px 4px rgb(162, 63,  
115) }
```

Background

The CSS property to change the background color of an element to XYZ 19.7723, 12.4742, 17.5853 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(162, 63, 115) }
```

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

```
.background{ background-color: rgb(162, 63,  
115) }
```

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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