

Converting Colors

XYZ(23.9138, 17.9090, 19.9968)

Have a look what the booklet for
XYZ(23.9138, 17.9090, 19.9968)
contains.

XYZ(23.9704, 17.9075, 19.9624)	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(23.9704, 17.9075,
19.9624)**

Conversions

Conversions Part 1

Format	Color
Hex	AA5E78
RGB	170, 94, 120
RGB Percent	67%, 37%, 47%
CMY	0.3333, 0.6314, 0.5294
CMYK	0.00, 0.45, 0.29, 0.33
HSL	339°, 31%, 52%
HSV	339°, 45%, 67%
XYZ	23.9704, 17.9075, 19.9624
YIQ	119.6880, 36.9500, 24.1980

Conversions

Conversions Part 2

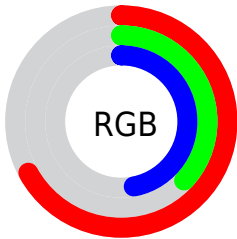
Format	Color
R_{YB}	170, 94, 120
Decimal	11165304
CIE _{Lab}	49.38, 34.07, -0.89
CIE _{LCh}	49, 34.085, 358.508
Yxy	17.9075, 0.3876, 0.2896
Android (android.graphics.Color)	4289355384 (0xFFAA5E78)
YUV	119.6880, 0.1538, 44.1236
Hunter-Lab	42.3173, 27.0553, 1.6531

Details

The XYZ color **23.9704, 17.9075, 19.9624** is a dark color, and the websafe version is hex **CC6699**. A complement of this color would be **24.0257, 33.1432, 31.5182**, and the grayscale version is **17.7448, 18.6689, 20.3304**.

A 20% lighter version of the original color is **49.4038, 39.8672, 44.1210**, and **9.1783, 5.9895, 6.8032** is the 20% darker color. If you saturate the color by 10%, you get **21.9822, 14.9546, 16.1440**, and if you desaturate by 10%, it is **26.3718, 21.5597, 24.3101**.

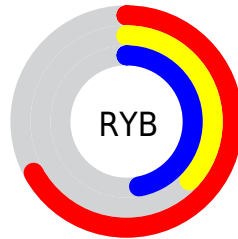
Distribution



Red (67%)

Green (37%)

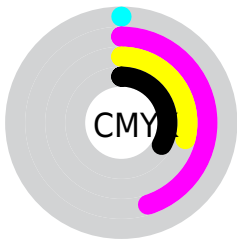
Blue (47%)



Red (67%)

Yellow (37%)

Blue (47%)

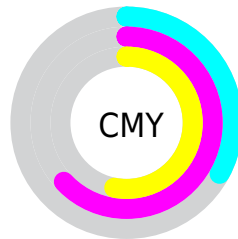


Cyan (0%)

Magenta (45%)

Yellow (29%)

Black (33%)



Cyan (33%)


Magenta (63%)


Yellow (53%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 23.9704, 17.9075, 19.9624 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 23.9704, 17.9075, 19.9624 by changing the saturation by 10% instead.


 23.9704, 17.9075,
19.9624


 23.9704, 17.9075,
19.9624


265.1140,
240.3492, 264.3090


 15.4363, 10.8836,
12.1839


 49.4369, 39.8796,
44.2123


 9.2145, 5.9886,
6.7450


 67.1000, 55.5967,
61.5207

 4.9396, 2.8382,
3.2271

 88.5369, 74.9802,
82.8430

 2.2462, 1.0478,
1.2117

 114.1127, 98.4146,
108.5974

 0.7669, 0.0000,
0.0000

144.1930,
126.2843, 139.2027

 0.0000, 0.0000,
0.0000

179.1431,

158.9737, 175.0774

219.3283,
196.8672, 216.6400

■ 23.9704, 17.9075,
19.9624

■ 23.9704, 17.9075,
19.9624

■ 21.9822, 14.9546,
16.1440

■ 26.3718, 21.5597,
24.3101

■ 20.3809, 12.6531,
12.8323

■ 29.2077, 25.9498,
29.2065

■ 19.1394, 10.9533,
10.0041

■ 32.4994, 31.1166,
34.6711

■ 18.2260, 9.7966,
7.6340

■ 36.2666, 37.0955,
40.7219

■ 17.6029, 9.1126,
5.6931

■ 40.5276, 43.9197,
47.3765

■ 17.3452, 8.8531,
4.8180

■ 45.2999, 51.6206,
54.6513

■ 50.6000, 60.2277,
62.5623

■ 56.4437, 69.7695,
71.1248

■ 62.8462, 80.2730,
80.3538

Harmonies

Analogous

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



22.8482, 17.9075, 30.2732



23.9704, 17.9075, 19.9624



23.0444, 17.9075, 12.2165

Triad

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



23.9704, 17.9075, 19.9624



14.2400, 17.9075, 7.7201



13.9941, 17.9075, 38.8019

Complementary

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



23.9704, 17.9075, 19.9624



24.0257, 33.1432, 31.5182

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.



12.1501, 17.9075, 29.2162



23.9704, 17.9075, 19.9624



12.2790, 17.9075, 11.6417

Square

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



23.9704, 17.9075, 19.9624



17.1819, 17.9075, 6.6235



11.5634, 17.9075, 19.0413



16.8602, 17.9075, 43.0607

Rectangle

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



23.9704, 17.9075, 19.9624



21.4485, 17.9075, 9.0243



11.5634, 17.9075, 19.0413



13.2482, 17.9075, 35.9728

Sweetspot

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



23.9709, 17.9084, 19.9627



59.9149, 57.9559, 64.4506



22.6562, 16.7841, 40.0758



13.0515, 12.4351, 13.8678



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



23.9709, 17.9084, 19.9627



39.7949, 27.0028, 29.1135



23.6910, 19.5399, 13.1137



7.6331, 7.5831, 8.3850



12.7833, 6.5220, 3.6702



0.3349, 0.1682, 0.2152

Inverse Universe

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



23.9709, 17.9084, 19.9627



39.7949, 27.0028, 29.1135



24.2019, 29.9414, 42.5339



7.6331, 7.5831, 8.3850



12.7833, 6.5220, 3.6702



0.3349, 0.1682, 0.2152

Previews

White Background



This preview shows how the XYZ color 23.9704, 17.9075, 19.9624 looks on a white background.

Color Contrast Check

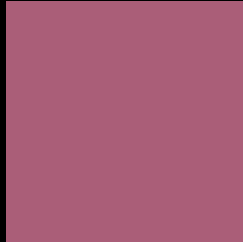
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.9704, 17.9075, 19.9624 looks on a black 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

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

XYZ 23.9704, 17.9075, 19.9624

Background



This preview shows how black text looks on a background with the XYZ color 23.9704, 17.9075, 19.9624.



This preview shows how white text looks on a background with the XYZ color 23.9704, 17.9075,

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

23.9704, 17.9075, 19.9624

Protanopia

17.7346, 18.0886, 25.1110

Deuteranopia

18.4341, 18.0648, 19.3449



Tritanopia

23.1356, 17.9839, 15.3486

Trichromacy



Original Color

23.9704, 17.9075, 19.9624

Protanomaly

19.4228, 17.6732, 23.1564

Deuteranomaly

20.2048, 17.8431, 19.5187

Tritanomaly

23.3595, 17.9265, 16.9808

Monochromacy



Original Color

23.9704, 17.9075, 19.9624

Achromatopsia

17.8524, 18.7821, 20.4537

Achromatomaly

19.5558, 18.1282, 20.2377

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.9704, 17.9075, 19.9624 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(170, 94, 120)` looks like.

```
.text, #text, p{  
    color:rgb(170, 94, 120)  
}
```

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(170, 94, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 94, 120) }
```

Border

The CSS property to change the border of an element to XYZ 23.9704, 17.9075, 19.9624 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(170, 94, 120) }
```


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

```
.border{ border-color:rgb(170, 94, 120) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 94, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 94, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 94, 120);  
box-shadow:4px 4px 4px 4px rgb(170, 94,  
120) }
```

Background

The CSS property to change the background color of an element to XYZ 23.9704, 17.9075, 19.9624 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 94, 120) }
```

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

```
.background{ background-color: rgb(170, 94,  
120) }
```

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