

Converting Colors

XYZ(23.3225, 17.7649, 20.2833)

Have a look what the booklet for
XYZ(23.3225, 17.7649, 20.2833)
contains.

XYZ(23.2693, 17.6719, 20.2737)	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(23.2693, 17.6719,
20.2737)**

Conversions

Conversions Part 1

Format	Color
Hex	A65F79
RGB	166, 95, 121
RGB Percent	65%, 37%, 47%
CMY	0.3490, 0.6274, 0.5255
CMYK	0.00, 0.43, 0.27, 0.35
HSL	338°, 29%, 51%
HSV	338°, 43%, 65%
XYZ	23.2693, 17.6719, 20.2737
YIQ	119.1930, 33.9700, 23.1380

Conversions

Conversions Part 2

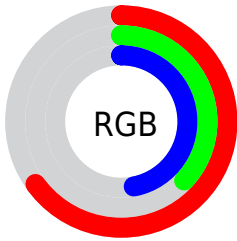
Format	Color
R_{YB}	166, 95, 121
Decimal	10903417
CIE _{Lab}	49.10, 32.20, -1.97
CIE _{LCh}	49, 32.264, 356.496
Yxy	17.6719, 0.3801, 0.2887
Android (android.graphics.Color)	4289093497 (0xFFA65F79)
YUV	119.1930, 0.8909, 41.0497
Hunter-Lab	42.0380, 25.2388, 0.8327

Details

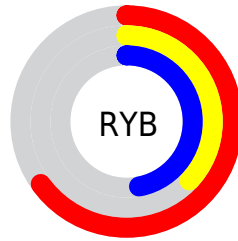
The XYZ color **23.2693, 17.6719, 20.2737** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **23.0900, 31.5993, 29.6950**, and the grayscale version is **17.5859, 18.5017, 20.1484**.

A 20% lighter version of the original color is **48.4080, 39.5725, 44.6220**, and **8.8617, 5.8798, 6.9712** is the 20% darker color. If you saturate the color by 10%, you get **21.3198, 14.7497, 16.6122**, and if you desaturate by 10%, it is **25.6088, 21.2612, 24.4129**.

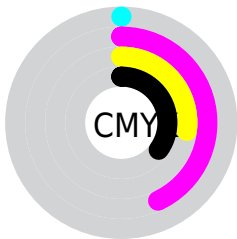
Distribution



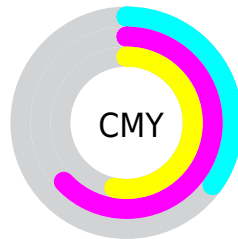
- Red (65%)
- Green (37%)
- Blue (47%)



- Red (65%)
- Yellow (37%)
- Blue (47%)



- Cyan (0%)
- Magenta (43%)
- Yellow (27%)
- Black (35%)





- Cyan (35%)
- Magenta (63%)
- Yellow (53%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 23.2693, 17.6719, 20.2737 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 23.2693, 17.6719, 20.2737 by changing the saturation by 10% instead.


 23.2693, 17.6719,
20.2737


 23.2693, 17.6719,
20.2737


261.6148,
239.0152, 266.0461


 14.9143, 10.7147,
12.4081


 48.2985, 39.4775,
44.7406


 8.8452, 5.8753,
6.8964


 65.7035, 55.0946,
62.1789

 4.6966, 2.7694,
3.3199

 86.8558, 74.3671,
83.6453

 2.1033, 1.0126,
1.2602

 112.1207, 97.6795,
109.5582

 0.6910, 0.0000,
0.0288

141.8638,
125.4161, 140.3362

 0.0000, 0.0000,
0.0000

176.4502,

157.9613, 176.3978

216.2454,
195.6995, 218.1616

■ 23.2693, 17.6719,
20.2737

■ 23.2693, 17.6719,
20.2737

■ 21.3198, 14.7497,
16.6122

■ 25.6088, 21.2612,
24.4129

■ 19.7361, 12.4503,
13.4086

■ 28.3576, 25.5531,
29.0461

■ 18.4937, 10.7280,
10.6433

■ 31.5355, 30.5838,
34.1904


■ 17.5638, 9.5297,
8.2944


■ 35.1604, 36.3859,
39.8615


■ 16.9129, 8.7922,
6.3374


■ 39.2492, 42.9905,
46.0743

 16.5624, 8.4416,
5.1407

 43.8181, 50.4265,
52.8432

 48.8822, 58.7218,
60.1822

 54.4562, 67.9027,
68.1044

 60.5540, 77.9945,
76.6229

Harmonies

Analogous

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



22.1063, 17.6719, 29.9321



23.2693, 17.6719, 20.2737



22.5343, 17.6719, 12.7471

Triad

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



23.2693, 17.6719, 20.2737



14.3419, 17.6719, 7.8835



13.7969, 17.6719, 36.6611

Complementary

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



23.2693, 17.6719, 20.2737



23.0900, 31.5993, 29.6950

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.



12.1263, 17.6719, 27.6353



23.2693, 17.6719, 20.2737



12.4135, 17.6719, 11.4584

Square

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



23.2693, 17.6719, 20.2737



17.1532, 17.6719, 6.9763



11.6515, 17.6719, 18.2453



16.4450, 17.6719, 41.0124

Rectangle

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



23.2693, 17.6719, 20.2737



21.1095, 17.6719, 9.5405



11.6515, 17.6719, 18.2453



13.1152, 17.6719, 33.9625

Sweetspot

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



23.2698, 17.6728, 20.2740



56.9428, 55.0434, 61.5891



21.7855, 16.5111, 38.1153



12.4530, 11.8571, 13.3192



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

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



23.2698, 17.6728, 20.2740



38.9581, 27.1610, 30.6632



22.7895, 18.9290, 13.2801



7.6404, 7.5860, 8.4237



12.8642, 6.5544, 4.0963



0.3376, 0.1693, 0.2294

Inverse Universe

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



23.2698, 17.6728, 20.2740



38.9581, 27.1610, 30.6632



23.5811, 29.1430, 40.4589



7.6404, 7.5860, 8.4237



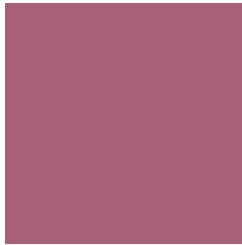
12.8642, 6.5544, 4.0963



0.3376, 0.1693, 0.2294

Previews

White Background



This preview shows how the XYZ color 23.2693, 17.6719, 20.2737 looks on a white background.

Color Contrast Check

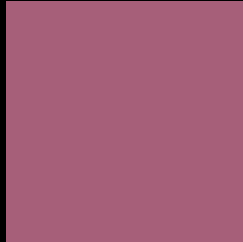
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.2693, 17.6719, 20.2737 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 23.2693, 17.6719, 20.2737

Background



This preview shows how black text looks on a background with the XYZ color 23.2693, 17.6719, 20.2737.



This preview shows how white text looks on a background with the XYZ color 23.2693, 17.6719,

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

23.2693, 17.6719, 20.2737

Protanopia

17.4879, 17.7894, 25.0662

Deuteranopia

18.0772, 17.7075, 19.6046



Tritanopia

22.2273, 17.6478, 15.5995

Trichromacy



Original Color

23.2693, 17.6719, 20.2737

Protanomaly

18.9979, 17.2966, 23.1062

Deuteranomaly

19.6391, 17.3908, 19.7744

Tritanomaly

22.6610, 17.6964, 17.2603

Monochromacy



Original Color

23.2693, 17.6719, 20.2737

Achromatopsia

17.5343, 18.4475, 20.0893

Achromatomaly

19.1194, 17.7422, 20.1862

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.2693, 17.6719, 20.2737 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(166, 95, 121)` looks like.

```
.text, #text, p{  
    color:rgb(166, 95, 121)  
}
```

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(166, 95, 121) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 95, 121) }
```

Border

The CSS property to change the border of an element to XYZ 23.2693, 17.6719, 20.2737 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(166, 95, 121) }
```


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

```
.border{ border-color:rgb(166, 95, 121) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 95, 121)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 95, 121); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 95, 121);  
box-shadow:4px 4px 4px 4px rgb(166, 95,  
121) }
```

Background

The CSS property to change the background color of an element to XYZ 23.2693, 17.6719, 20.2737 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 95, 121) }
```

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

```
.background{ background-color: rgb(166, 95,  
121) }
```

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