

Converting Colors

XYZ(23.1714, 17.9950, 21.4641)

Have a look what the booklet for
XYZ(23.1714, 17.9950, 21.4641)
contains.

XYZ(23.1100, 17.9771, 21.3207)	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(23.1100, 17.9771,
21.3207)**

Conversions

Conversions Part 1

Format	Color
Hex	A3627C
RGB	163, 98, 124
RGB Percent	64%, 38%, 49%
CMY	0.3608, 0.6157, 0.5137
CMYK	0.00, 0.40, 0.24, 0.36
HSL	336°, 26%, 51%
HSV	336°, 40%, 64%
XYZ	23.1100, 17.9771, 21.3207
YIQ	120.3990, 30.3940, 21.8660

Conversions

Conversions Part 2

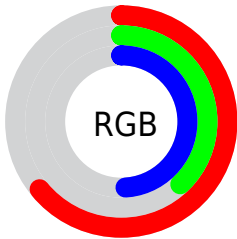
Format	Color
RYB	163, 98, 124
Decimal	10707580
CIELab	49.47, 29.88, -3.26
CIElCh	49, 30.060, 353.770
Yxy	17.9771, 0.3703, 0.2881
Android (android.graphics.Color)	4288897660 (0xFFA3627C)
YUV	120.3990, 1.7753, 37.3611
Hunter-Lab	42.3994, 23.0933, -0.1346

Details

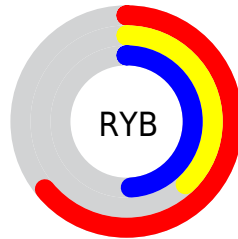
The XYZ color **23.1100, 17.9771, 21.3207** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **22.6503, 30.5976, 28.3804**, and the grayscale version is **17.9685, 18.9043, 20.5867**.

A 20% lighter version of the original color is **47.9562, 40.0074, 46.2689**, and **8.6750, 5.9558, 7.3490** is the 20% darker color. If you saturate the color by 10%, you get **21.1492, 14.9965, 17.7653**, and if you desaturate by 10%, it is **25.4438, 21.6051, 25.3035**.

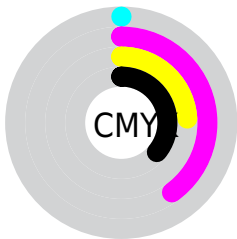
Distribution



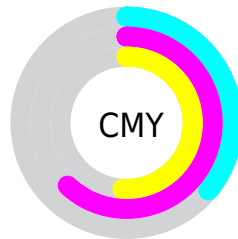
- Red (64%)
- Green (38%)
- Blue (49%)



- Red (64%)
- Yellow (38%)
- Blue (49%)



- Cyan (0%)
- Magenta (40%)
- Yellow (24%)
- Black (36%)



- Cyan (36%)
- Magenta (62%)
- Yellow (51%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.1100, 17.9771, 21.3207 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 23.1100, 17.9771, 21.3207 by changing the saturation by 10% instead.

■ 23.1100, 17.9771,
21.3207

■ 23.1100, 17.9771,
21.3207

260.8143,
240.7419, 271.8148

■ 14.7959, 10.9335,
13.1651

■ 48.0392, 39.9983,
46.5084

■ 8.7616, 6.0222,
7.4103

■ 65.3850, 55.7447,
64.3775

■ 4.6419, 2.8586,
3.6377

■ 86.4721, 75.1609,
86.3216

■ 2.0713, 1.0583,
1.4288

■ 111.6659, 98.6313,
112.7591

■ 0.6735, 0.0000,
0.1640

141.3316,
126.5401, 144.1087

■ 0.0000, 0.0000,
0.0000

175.8347,

159.2719, 180.7888

215.5404,
197.2111, 223.2179

■ 23.1100, 17.9771,
21.3207

■ 23.1100, 17.9771,
21.3207

■ 21.1492, 14.9965,
17.7653

■ 25.4438, 21.6051,
25.3035

■ 19.5390, 12.6222,
14.6206

■ 28.1681, 25.9133,
29.7274

■ 18.2571, 10.8119,
11.8701


■ 31.3012, 30.9355,
34.6068


■ 17.2776, 9.5174,
9.4955

■ 34.8597, 36.7023,
39.9549


■ 16.5705, 8.6816,
7.4766

■ 38.8591, 43.2427,
45.7846


 16.0699, 8.1763,
5.7806

 43.3145, 50.5839,
52.1080

 16.0641, 8.1705,
5.7611

 48.2398, 58.7521,
58.9370

 53.6487, 67.7720,
66.2828

 59.5542, 77.6674,
74.1564

Harmonies

Analogous

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



21.8807, 17.9771, 30.3479



23.1100, 17.9771, 21.3207



22.5870, 17.9771, 13.9232

Triad

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



23.1100, 17.9771, 21.3207



14.9789, 17.9771, 8.4669



14.0583, 17.9771, 35.0925

Complementary

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



23.1100, 17.9771, 21.3207



22.6503, 30.5976, 28.3804

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.



12.5608, 17.9771, 26.5780



23.1100, 17.9771, 21.3207



13.0497, 17.9771, 11.7097

Square

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



23.1100, 17.9771, 21.3207



17.6862, 17.9771, 7.7805



12.2130, 17.9771, 17.9254



16.5009, 17.9771, 39.5987

Rectangle

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



23.1100, 17.9771, 21.3207



21.3409, 17.9771, 10.6266



12.2130, 17.9771, 17.9254



13.4391, 17.9771, 32.5073

Sweetspot

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



23.1105, 17.9780, 21.3211



54.6732, 53.1734, 59.8518



21.2958, 16.6990, 36.7513



12.1213, 11.6885, 13.1981



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.



23.1105, 17.9780, 21.3211



38.1937, 27.3338, 32.4101



22.3103, 18.6708, 13.9843



7.1857, 7.1307, 7.9641



12.5060, 6.3585, 4.5893



0.2858, 0.1428, 0.2175

Inverse Universe

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



23.1105, 17.9780, 21.3211



38.1937, 27.3338, 32.4101



23.6210, 29.1866, 39.0390



7.1857, 7.1307, 7.9641



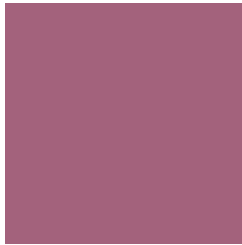
12.5060, 6.3585, 4.5893



0.2858, 0.1428, 0.2175

Previews

White Background



This preview shows how the XYZ color 23.1100, 17.9771, 21.3207 looks on a white background.

Color Contrast Check

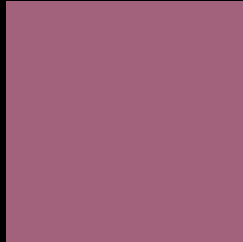
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.1100, 17.9771, 21.3207 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

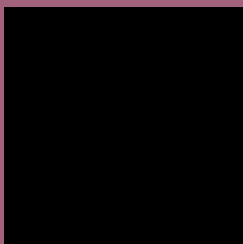
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 23.1100, 17.9771, 21.3207

Background



This preview shows how black text looks on a background with the XYZ color 23.1100, 17.9771, 21.3207.



This preview shows how white text looks on a background with the XYZ color 23.1100, 17.9771,

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

23.1100, 17.9771, 21.3207

Protanopia

17.8755, 18.1450, 25.8527

Deuteranopia

18.3706, 18.0043, 20.5961



Tritanopia

22.0584, 17.9671, 16.4928

Trichromacy



Original Color

23.1100, 17.9771, 21.3207

Protanomaly

19.2565, 17.7233, 24.2358

Deuteranomaly

19.8599, 17.7930, 20.8000

Tritanomaly

22.4947, 18.0106, 18.2104

Monochromacy



Original Color

23.1100, 17.9771, 21.3207

Achromatopsia

17.8524, 18.7821, 20.4537

Achromatomaly

19.3987, 18.2031, 20.5803

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.1100, 17.9771, 21.3207 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(163, 98, 124)` looks like.

```
.text, #text, p{  
    color:rgb(163, 98, 124)  
}
```

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(163, 98, 124) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 98, 124) }
```

Border

The CSS property to change the border of an element to XYZ 23.1100, 17.9771, 21.3207 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(163, 98, 124) }
```


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

```
.border{ border-color:rgb(163, 98, 124) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 98, 124)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 98, 124); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 98, 124);  
box-shadow:4px 4px 4px 4px rgb(163, 98,  
124) }
```

Background

The CSS property to change the background color of an element to XYZ 23.1100, 17.9771, 21.3207 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 98, 124) }
```

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

```
.background{ background-color: rgb(163, 98,  
124) }
```

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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