

Converting Colors

XYZ(21.8729, 17.5941, 22.8477)

Have a look what the booklet for
XYZ(21.8729, 17.5941, 22.8477)
contains.

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Color

**XYZ(21.8460, 17.5693,
23.0087)**

Conversions

Conversions Part 1

Format	Color
Hex	9A6481
RGB	154, 100, 129
RGB Percent	60%, 39%, 51%
CMY	0.3961, 0.6078, 0.4941
CMYK	0.00, 0.35, 0.16, 0.40
HSL	328°, 21%, 50%
HSV	328°, 35%, 60%
XYZ	21.8460, 17.5693, 23.0087
YIQ	119.4520, 22.8750, 20.4670

Conversions

Conversions Part 2

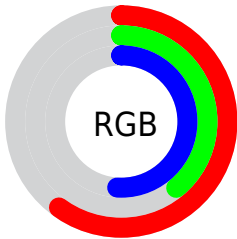
Format	Color
R_{YB}	154, 100, 129
Decimal	10118273
CIE _{Lab}	48.97, 26.24, -7.11
CIE _{LCh}	49, 27.182, 344.837
Yxy	17.5693, 0.3500, 0.2815
Android (android.graphics.Color)	4288308353 (0xFF9A6481)
YUV	119.4520, 4.7072, 30.2986
Hunter-Lab	41.9157, 19.6796, -3.2049

Details

The XYZ color **21.8460, 17.5693, 23.0087** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **20.5135, 27.3016, 23.5917**, and the grayscale version is **17.6587, 18.5784, 20.2318**.

A 20% lighter version of the original color is **45.9662, 39.3892, 49.4362**, and **8.1554, 5.8600, 8.2907** is the 20% darker color. If you saturate the color by 10%, you get **20.0487, 14.7068, 20.1524**, and if you desaturate by 10%, it is **23.9566, 21.0051, 26.1330**.

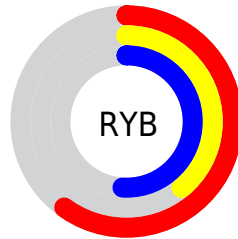
Distribution



Red (60%)

Green (39%)

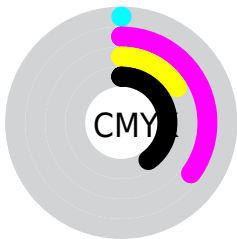
Blue (51%)



Red (60%)

Yellow (39%)

Blue (51%)

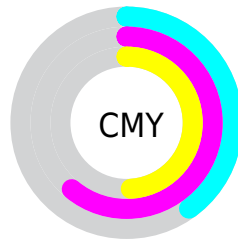


Cyan (0%)

Magenta (35%)

Yellow (16%)

Black (40%)



Cyan (40%)

Magenta (61%)

Yellow (49%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.8460, 17.5693, 23.0087 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 21.8460, 17.5693, 23.0087 by changing the saturation by 10% instead.

■ 21.8460, 17.5693,
23.0087

■ 21.8460, 17.5693,
23.0087

254.3885,
238.4321, 280.8930

■ 13.8598, 10.6412,
14.3946

■ 45.9721, 39.3020,
49.3310

■ 8.1042, 5.8261,
8.2537

■ 62.8426, 54.8755,
67.8762

■ 4.2141, 2.7396,
4.1676

■ 83.4053, 74.0995,
90.5689

■ 1.8240, 0.9974,
1.7178

■ 108.0255, 97.3585,
117.8276

■ 0.5320, 0.0000,
0.3729

137.0686,
125.0369, 150.0708

■ 0.0000, 0.0000,
0.0000

170.8999,

157.5190, 187.7171

209.8847,
195.1892, 231.1850

■ 21.8460, 17.5693,
23.0087

■ 21.8460, 17.5693,
23.0087

■ 20.0487, 14.7068,
20.1524

■ 23.9566, 21.0051,
26.1330

■ 18.5468, 12.3832,
17.5542

■ 26.3942, 25.0411,
29.5325

■ 17.3226, 10.5646,
15.2051

■ 29.1734, 29.7053,
33.2155

■ 16.3562, 9.2117,
13.0949

■ 32.3075, 35.0235,
37.1893

■ 15.6243, 8.2795,
11.2122

■ 35.8092, 41.0198,
41.4611

■ 15.0976, 7.7106,
9.5434

■ 39.6903, 47.7171,
46.0378

■ 14.8763, 7.4900,
8.7848

■ 43.9622, 55.1373,
50.9260

■ 48.6360, 63.3014,
56.1320

■ 53.7219, 72.2293,
61.6621

Harmonies

Analogous

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



20.3678, 17.5693, 30.8023



21.8460, 17.5693, 23.0087



21.8545, 17.5693, 15.7807

Triad

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



21.8460, 17.5693, 23.0087



15.4846, 17.5693, 8.5788



13.4828, 17.5693, 30.7255

Complementary

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



21.8460, 17.5693, 23.0087



20.5135, 27.3016, 23.5917

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.



12.4257, 17.5693, 22.9224



21.8460, 17.5693, 23.0087



13.4997, 17.5693, 10.8564

Square

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



21.8460, 17.5693, 23.0087



18.0036, 17.5693, 8.5908



12.4316, 17.5693, 15.7137



15.4592, 17.5693, 35.9658

Rectangle

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



21.8460, 17.5693, 23.0087



21.0167, 17.5693, 12.2263



12.4316, 17.5693, 15.7137



13.0174, 17.5693, 28.2393

Sweetspot

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



21.8465, 17.5701, 23.0091



49.8119, 48.6067, 56.1569



18.7462, 15.7558, 32.6251



11.1352, 10.7683, 12.5244



74.8435, 78.7412, 85.7492



12.6291, 13.2868, 14.4694

Same Dimension

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



21.8465, 17.5701, 23.0091



37.0976, 27.7840, 37.7194



20.3173, 16.9584, 14.9566



6.3405, 6.2754, 7.1731



12.1383, 6.1095, 7.2530



0.1998, 0.0987, 0.2051

Inverse Universe

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



21.8465, 17.5701, 23.0091



37.0976, 27.7840, 37.7194



22.4220, 28.0650, 33.6416



6.3405, 6.2754, 7.1731



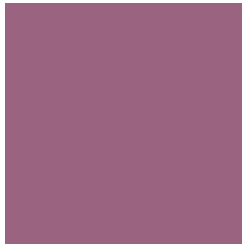
12.1383, 6.1095, 7.2530



0.1998, 0.0987, 0.2051

Previews

White Background



This preview shows how the XYZ color 21.8460, 17.5693, 23.0087 looks on a white background.

Color Contrast Check

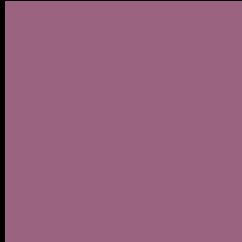
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.8460, 17.5693, 23.0087 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

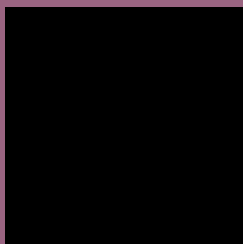
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 21.8460, 17.5693, 23.0087

Background



This preview shows how black text looks on a background with the XYZ color 21.8460, 17.5693, 23.0087.



This preview shows how white text looks on a background with the XYZ color 21.8460, 17.5693,

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

21.8460, 17.5693, 23.0087

Protanopia

17.5877, 17.7996, 26.9348

Deuteranopia

18.0481, 17.6276, 22.5299



Tritanopia

20.6684, 17.5236, 17.3320

Trichromacy



Original Color

21.8460, 17.5693, 23.0087

Protanomaly

18.7015, 17.4132, 25.2971

Deuteranomaly

19.2505, 17.4345, 22.7727

Tritanomaly

21.1583, 17.5831, 19.4182

Monochromacy



Original Color

21.8460, 17.5693, 23.0087

Achromatopsia

17.5343, 18.4475, 20.0893

Achromatomaly

18.8850, 17.9239, 21.2032

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.8460, 17.5693, 23.0087 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(154, 100, 129)` looks like.

```
.text, #text, p{  
    color:rgb(154, 100, 129)  
}
```

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(154, 100, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(154, 100, 129) }
```

Border

The CSS property to change the border of an element to XYZ 21.8460, 17.5693, 23.0087 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(154, 100, 129) }
```


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

```
.border{ border-color:rgb(154, 100, 129) }
```

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

Here you see how a box with a 4 pixel `rgb(154, 100, 129)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(154, 100, 129); -webkit-box-  
shadow:4px 4px 4px 4px rgb(154, 100, 129);  
box-shadow:4px 4px 4px 4px rgb(154, 100,  
129) }
```

Background

The CSS property to change the background color of an element to XYZ 21.8460, 17.5693, 23.0087 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(154, 100, 129) }
```

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

```
.background{ background-color: rgb(154,  
100, 129) }
```

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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