

Converting Colors

XYZ(17.8632, 23.8002, 23.6065)

Have a look what the booklet for
XYZ(17.8632, 23.8002, 23.6065)
contains.

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Color

**XYZ(17.8866, 23.8093,
23.7316)**

Conversions

Conversions Part 1

Format	Color
Hex	57917F
RGB	87, 145, 127
RGB Percent	34%, 57%, 50%
CMY	0.6588, 0.4314, 0.5020
CMYK	0.40, 0.00, 0.12, 0.43
HSL	161°, 25%, 45%
HSV	161°, 40%, 57%
XYZ	17.8866, 23.8093, 23.7316
YIQ	125.6060, -28.7900, -17.8940

Conversions

Conversions Part 2

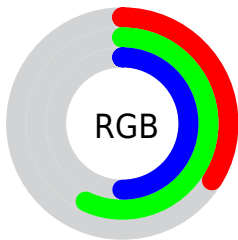
Format	Color
R_{YB}	87, 121, 145
Decimal	5738879
CIE Lab	55.90, -23.37, 3.60
CIE LCh	56, 23.646, 171.247
Yxy	23.8093, 0.2734, 0.3639
Android (android.graphics.Color)	4283928959 (0xFF57917F)
YUV	125.6060, 0.6872, -33.8575
Hunter-Lab	48.7948, -19.9585, 5.3203

Details

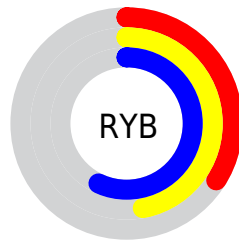
The XYZ color **17.8866, 23.8093, 23.7316** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **17.6358, 13.8566, 15.1105**, and the grayscale version is **19.7027, 20.7288, 22.5737**.

A 20% lighter version of the original color is **39.3091, 49.6311, 50.6880**, and **6.1054, 8.9305, 8.6097** is the 20% darker color. If you saturate the color by 10%, you get **16.3798, 23.0663, 22.1644**, and if you desaturate by 10%, it is **19.6798, 24.6997, 25.3817**.

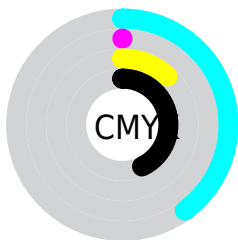
Distribution



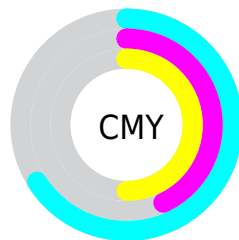
- Red (34%)
- Green (57%)
- Blue (50%)



- Red (34%)
- Yellow (47%)
- Blue (57%)



- Cyan (40%)
- Magenta (0%)
- Yellow (12%)
- Black (43%)



- Cyan (66%)
- Magenta (43%)
- Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.8866, 23.8093, 23.7316 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 17.8866, 23.8093, 23.7316 by changing the saturation by 10% instead.

■ 17.8866, 23.8093,
23.7316

■ 17.8866, 23.8093,
23.7316

233.2891,
271.8549, 284.7034

■ 10.9678, 15.1922,
14.9243

■ 39.3756, 49.7188,
50.5302

■ 6.1123, 8.9544,
8.6202

■ 54.6765, 67.7801,
69.3585

■ 2.9548, 4.7115,
4.4009

■ 73.5022, 89.7581,
92.3643

■ 1.1299, 2.0790,
1.8478

■ 96.2179, 116.0374,
119.9660

■ 0.0499, 0.6528,
0.4592

■ 123.1891,
147.0024, 152.5823

■ 0.0000, 0.0000,
0.0000

154.7811,

183.0374, 190.6316

191.3593,
224.5267, 234.5324

■ 17.8866, 23.8093,
23.7316

■ 17.8866, 23.8093,
23.7316

■ 16.3798, 23.0663,
22.1644

■ 19.6798, 24.6997,
25.3817

■ 15.1408, 22.4592,
20.6767

■ 21.7726, 25.7424,
27.1145

■ 14.1521, 21.9796,
19.2674

■ 24.1797, 26.9456,
28.9322

■ 13.3928, 21.6170,
17.9345

■ 26.9144, 28.3160,
30.8361

■ 12.8389, 21.3587,
16.6760

■ 29.9889, 29.8601,
32.8278

■ 12.4260, 21.1717,
15.4879

■ 33.4151, 31.5839,
34.9085

■ 37.2041, 33.4930,
37.0795

■ 41.3666, 35.5931,
39.3422

■ 45.9129, 37.8894,
41.6977

Harmonies

Analogous

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



18.8259, 23.8093, 17.7025



17.8866, 23.8093, 23.7316



18.1372, 23.8093, 31.6808

Triad

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



17.8866, 23.8093, 23.7316



24.5597, 23.8093, 42.3554



26.0299, 23.8093, 15.9905

Complementary

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



17.8866, 23.8093, 23.7316



17.6358, 13.8566, 15.1105

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.



27.8096, 23.8093, 20.9111



17.8866, 23.8093, 23.7316



26.9149, 23.8093, 36.3638

Square

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



17.8866, 23.8093, 23.7316



21.8509, 23.8093, 43.5252



28.1457, 23.8093, 28.2480



23.4275, 23.8093, 13.8522

Rectangle

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



17.8866, 23.8093, 23.7316



18.9544, 23.8093, 36.9872



28.1457, 23.8093, 28.2480



26.7526, 23.8093, 17.3217

Sweetspot

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



17.8873, 23.8103, 23.7321



42.2804, 47.7432, 51.0654



17.7153, 23.9654, 12.7092



9.2955, 10.5658, 11.2783



69.3244, 72.9347, 79.4259



10.7221, 11.2805, 12.2844

Same Dimension

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



17.8873, 23.8103, 23.7321



29.5803, 41.4285, 39.9657



17.6179, 21.2231, 29.9571



5.4900, 6.0882, 6.5460



10.6698, 18.1638, 13.3470



0.1119, 0.1776, 0.1799

Inverse Universe

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



17.6358, 13.8566, 15.1105



29.0723, 21.0515, 22.3495



17.7315, 15.3754, 11.0503



5.4735, 5.4499, 5.9916



10.4328, 5.3301, 2.6644



0.1088, 0.0546, 0.0730

Previews

White Background



This preview shows how the XYZ color 17.8866, 23.8093, 23.7316 looks on a white 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

Black Background



This preview shows how the XYZ color 17.8866, 23.8093, 23.7316 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 17.8866, 23.8093, 23.7316

Background



This preview shows how black text looks on a background with the XYZ color 17.8866, 23.8093, 23.7316.



This preview shows how white text looks on a background with the XYZ color 17.8866, 23.8093,

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

17.8866, 23.8093, 23.7316

Protanopia

22.4862, 23.6445, 21.4679

Deuteranopia

23.9121, 23.5153, 24.3977



Tritanopia

19.7888, 23.6768, 33.6641

Trichromacy



Original Color

17.8866, 23.8093, 23.7316

Protanomaly

20.2665, 23.3145, 22.1709

Deuteranomaly

21.0839, 23.2729, 24.1498

Tritanomaly

19.0214, 23.5838, 29.9351

Monochromacy



Original Color

17.8866, 23.8093, 23.7316

Achromatopsia

19.8309, 20.8637, 22.7206

Achromatomaly

18.8355, 21.7262, 22.9395

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.8866, 23.8093, 23.7316 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(87, 145, 127)` looks like.

```
.text, #text, p{  
  color:rgb(87, 145, 127)  
}
```

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(87, 145, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 145, 127) }
```

Border

The CSS property to change the border of an element to XYZ 17.8866, 23.8093, 23.7316 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(87, 145, 127) }
```


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

```
.border{ border-color:rgb(87, 145, 127) }
```

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

Here you see how a box with a 4 pixel `rgb(87, 145, 127)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 145, 127); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 145, 127);  
box-shadow:4px 4px 4px 4px rgb(87, 145,  
127) }
```

Background

The CSS property to change the background color of an element to XYZ 17.8866, 23.8093, 23.7316 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 145, 127) }
```

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

```
.background{ background-color: rgb(87, 145,  
127) }
```

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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