

Converting Colors

XYZ(23.7699, 27.2105, 24.2496)

Have a look what the booklet for
XYZ(23.7699, 27.2105, 24.2496)
contains.

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Color

**XYZ(23.8457, 27.3315,
24.4408)**

Conversions

Conversions Part 1

Format	Color
Hex	849380
RGB	132, 147, 128
RGB Percent	52%, 58%, 50%
CMY	0.4824, 0.4235, 0.4980
CMYK	0.10, 0.00, 0.13, 0.42
HSL	107°, 8%, 54%
HSV	107°, 13%, 58%
XYZ	23.8457, 27.3315, 24.4408
YIQ	140.3490, -2.8410, -9.0890

Conversions

Conversions Part 2

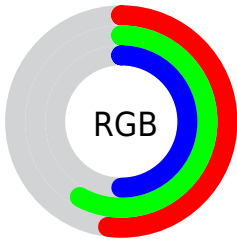
Format	Color
R_{YB}	128, 147, 143
Decimal	8688512
CIE _{Lab}	59.28, -9.13, 8.24
CIE _{LCh}	59, 12.303, 137.922
Yxy	27.3315, 0.3153, 0.3614
Android (android.graphics.Color)	4286878592 (0xFF849380)
YUV	140.3490, -6.0881, -7.3221
Hunter-Lab	52.2795, -10.0719, 8.8775

Details

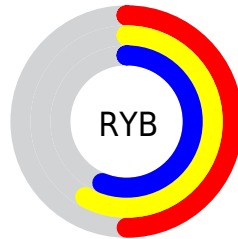
The XYZ color **23.8457, 27.3315, 24.4408** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **24.3145, 23.3854, 30.8376**, and the grayscale version is **25.0874, 26.3939, 28.7430**.

A 20% lighter version of the original color is **49.2347, 55.4238, 51.8190**, and **9.0738, 10.7241, 8.9889** is the 20% darker color. If you saturate the color by 10%, you get **21.2324, 26.0889, 19.6283**, and if you desaturate by 10%, it is **26.8027, 28.7367, 30.0023**.

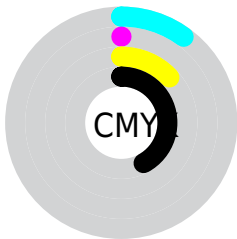
Distribution



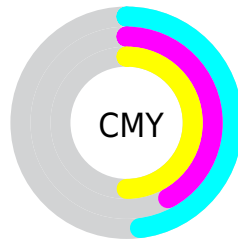
- Red (52%)
- Green (58%)
- Blue (50%)



- Red (50%)
- Yellow (58%)
- Blue (56%)



- Cyan (10%)
- Magenta (0%)
- Yellow (13%)
- Black (42%)



- Cyan (48%)
- Magenta (42%)
- Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.8457, 27.3315, 24.4408 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 23.8457, 27.3315, 24.4408 by changing the saturation by 10% instead.

■ 23.8457, 27.3315,
24.4408

■ 23.8457, 27.3315,
24.4408

264.4944,
289.2586, 288.3995

■ 15.3433, 17.8223,
15.4457

■ 49.2348, 55.4154,
51.7014

■ 9.1486, 10.8225,
8.9827

■ 66.8522, 74.7589,
70.8040

■ 4.8961, 5.9476,
4.6332

■ 88.2387, 98.1493,
94.1128

■ 2.2206, 2.8133,
1.9788

113.7596,
125.9710, 122.0464

■ 0.7535, 1.0350,
0.5422

143.7803,
158.6083, 155.0233

■ 0.0000, 0.0000,
0.0000

178.6661,

196.4458, 193.4621

218.7823,
239.8678, 237.7814

■ 23.8457, 27.3315,
24.4408

■ 23.8457, 27.3315,
24.4408

■ 21.2324, 26.0889,
19.6283

■ 26.8027, 28.7367,
30.0023

■ 18.9479, 24.9995,
15.5312

■ 30.1130, 30.3063,
36.3411

■ 16.9797, 24.0584,
12.1158

■ 33.7888, 32.0469,
43.4861

■ 15.3134, 23.2590,
9.3451

■ 37.8409, 33.9635,
51.4642

■ 13.9335, 22.5942,
7.1786

■ 42.2796, 36.0607,
60.3011

■ 12.8232, 22.0563,
5.5710

■ 47.1149, 38.3433,
70.0215

■ 11.9638, 21.6366,
4.4710

■ 52.3564, 40.8156,
80.6488

■ 11.3336, 21.3256,
3.8176

■ 58.0134, 43.4819,
92.2057

■ 10.9975, 21.1589,
3.5045

■ 63.2289, 46.0001,
100.1541

Harmonies

Analogous

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



25.0791, 27.3315, 22.4117



23.8457, 27.3315, 24.4408



23.1941, 27.3315, 28.0235

Triad

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



23.8457, 27.3315, 24.4408



25.3644, 27.3315, 38.8254



28.8919, 27.3315, 27.2305

Complementary

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



23.8457, 27.3315, 24.4408



24.3145, 23.3854, 30.8376

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.



28.9757, 27.3315, 31.5655



23.8457, 27.3315, 24.4408



26.8977, 27.3315, 38.5594

Square

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



23.8457, 27.3315, 24.4408



24.0474, 27.3315, 36.4928



28.2333, 27.3315, 35.7984



28.0087, 27.3315, 23.9097

Rectangle

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



23.8457, 27.3315, 24.4408



23.1596, 27.3315, 30.9410



28.2333, 27.3315, 35.7984



29.0158, 27.3315, 28.6082

Sweetspot

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



23.8464, 27.3327, 24.4414



47.3535, 51.1551, 52.5060



25.7350, 27.3728, 24.3496



10.7214, 11.6356, 11.8187



71.1368, 74.8414, 81.5023



11.3376, 11.9280, 12.9896

Same Dimension

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



23.8464, 27.3327, 24.4414



41.0430, 48.1569, 40.6886



23.5969, 27.1620, 26.3292



5.8369, 6.5238, 6.1920



9.5516, 18.3519, 3.0389



0.1376, 0.2353, 0.0382

Inverse Universe

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



24.3145, 23.3854, 30.8376



42.0770, 39.4308, 54.8278



24.6066, 23.5836, 28.6969



5.9171, 5.8482, 7.2867



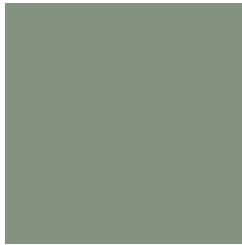
10.8379, 5.0597, 24.3364



0.1567, 0.0743, 0.2990

Previews

White Background



This preview shows how the XYZ color 23.8457, 27.3315, 24.4408 looks on a white background.

Color Contrast Check

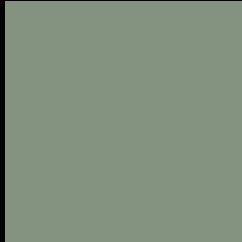
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.8457, 27.3315, 24.4408 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 23.8457, 27.3315, 24.4408

Background



This preview shows how black text looks on a background with the XYZ color 23.8457, 27.3315, 24.4408.



This preview shows how white text looks on a background with the XYZ color 23.8457, 27.3315,

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

23.8457, 27.3315, 24.4408

Protanopia

25.7691, 27.2162, 23.2971

Deuteranopia

27.6729, 27.0801, 24.8876



Tritanopia

25.8922, 27.2457, 34.9046

Trichromacy



Original Color

23.8457, 27.3315, 24.4408

Protanomaly

25.0668, 27.2925, 23.6855

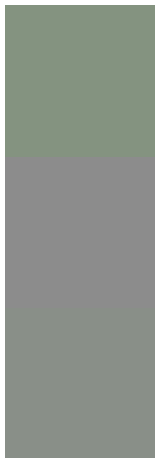
Deuteranomaly

26.0650, 27.1188, 24.6295

Tritanomaly

25.0758, 27.1417, 30.7053

Monochromacy



Original Color

23.8457, 27.3315, 24.4408

Achromatopsia

24.9269, 26.2251, 28.5591

Achromatomaly

24.5829, 26.7409, 27.1584

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.8457, 27.3315, 24.4408 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(132, 147, 128)` looks like.

```
.text, #text, p{  
    color:rgb(132, 147, 128)  
}
```

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(132, 147, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 147, 128) }
```

Border

The CSS property to change the border of an element to XYZ 23.8457, 27.3315, 24.4408 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(132, 147, 128) }
```


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

```
.border{ border-color:rgb(132, 147, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(132, 147, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(132, 147, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(132, 147, 128);  
box-shadow:4px 4px 4px 4px rgb(132, 147,  
128) }
```

Background

The CSS property to change the background color of an element to XYZ 23.8457, 27.3315, 24.4408 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 147, 128) }
```

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

```
.background{ background-color: rgb(132,  
147, 128) }
```

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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