

Converting Colors

XYZ(23.7997, 28.8044, 30.2000)

Have a look what the booklet for
XYZ(23.7997, 28.8044, 30.2000)
contains.

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Color

**XYZ(23.8496, 28.8763,
30.3033)**

Conversions

Conversions Part 1

Format	Color
Hex	759A8F
RGB	117, 154, 143
RGB Percent	46%, 60%, 56%
CMY	0.5412, 0.3961, 0.4392
CMYK	0.24, 0.00, 0.07, 0.40
HSL	162°, 15%, 53%
HSV	162°, 24%, 60%
XYZ	23.8496, 28.8763, 30.3033
YIQ	141.6830, -18.5210, -11.2650

Conversions

Conversions Part 2

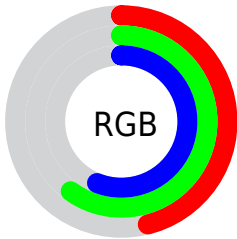
Format	Color
RYB	117, 139, 154
Decimal	7707279
CIELab	60.67, -15.12, 1.61
CIELCh	61, 15.202, 173.903
Yxy	28.8763, 0.2872, 0.3478
Android (android.graphics.Color)	4285897359 (0xFF759A8F)
YUV	141.6830, 0.6493, -21.6470
Hunter-Lab	53.7367, -14.8167, 4.1807

Details

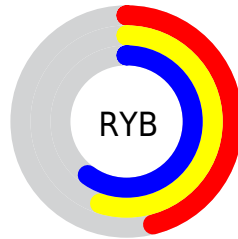
The XYZ color **23.8496, 28.8763, 30.3033** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **23.5849, 21.1517, 23.2628**, and the grayscale version is **25.5893, 26.9220, 29.3180**.

A 20% lighter version of the original color is **49.2115, 57.6890, 61.3647**, and **9.2099, 11.7198, 12.1326** is the 20% darker color. If you saturate the color by 10%, you get **21.6086, 27.7610, 28.4248**, and if you desaturate by 10%, it is **26.4469, 30.1751, 32.2736**.

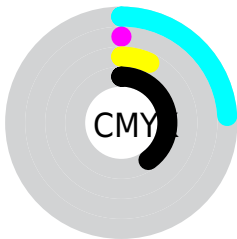
Distribution



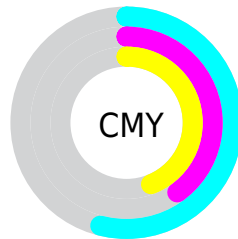
- Red (46%)
- Green (60%)
- Blue (56%)



- Red (46%)
- Yellow (55%)
- Blue (60%)



- Cyan (24%)
- Magenta (0%)
- Yellow (7%)
- Black (40%)



- Cyan (54%)
- Magenta (40%)
- Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.8496, 28.8763, 30.3033 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 23.8496, 28.8763, 30.3033 by changing the saturation by 10% instead.

■ 23.8496, 28.8763,
30.3033

■ 23.8496, 28.8763,
30.3033

264.5138,
296.6309, 317.5669

■ 15.3462, 18.9873,
19.8149

■ 49.2411, 57.8805,
61.2082

■ 9.1506, 11.6611,
12.0778

■ 66.8600, 77.7644,
82.4617

■ 4.8975, 6.5133,
6.6735

■ 88.2480, 101.7488,
108.1407

■ 2.2214, 3.1597,
3.1834

113.7707,
130.2180, 138.6638

■ 0.7540, 1.2156,
1.1890

143.7932,
163.5564, 174.4494

■ 0.0000, 0.0744,
0.0000

178.6810,

■ 0.0000, 0.0000,

202.1484, 215.9161

0.0000

218.7994,
246.3784, 263.4824

■ 23.8496, 28.8763,
30.3033

■ 23.8496, 28.8763,
30.3033

■ 21.6086, 27.7610,
28.4248

■ 26.4469, 30.1751,
32.2736

■ 19.7045, 26.8171,
26.6346

■ 29.4136, 31.6619,
34.3353

■ 18.1201, 26.0364,
24.9315

■ 32.7653, 33.3456,
36.4907

■ 16.8353, 25.4085,
23.3137

■ 36.5158, 35.2331,
38.7413

■ 15.8278, 24.9221,
21.7792

■ 40.6784, 37.3314,
41.0883

■ 15.0722, 24.5639,
20.3260

■ 45.2656, 39.6468,
43.5334

■ 14.5377, 24.3182,
18.9515

■ 50.2894, 42.1856,
46.0777

■ 14.2743, 24.1996,
18.1654

■ 55.7614, 44.9536,
48.7226

■ 61.4702, 47.8419,
51.4590

Harmonies

Analogous

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



24.4980, 28.8763, 25.4739



23.8496, 28.8763, 30.3033



24.1270, 28.8763, 36.0445

Triad

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



23.8496, 28.8763, 30.3033



29.0095, 28.8763, 42.4374



29.7385, 28.8763, 23.4659

Complementary

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



23.8496, 28.8763, 30.3033



23.5849, 21.1517, 23.2628

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.



31.0564, 28.8763, 27.2478



23.8496, 28.8763, 30.3033



30.6216, 28.8763, 38.2748

Square

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



23.8496, 28.8763, 30.3033



27.0457, 28.8763, 43.5075



31.3870, 28.8763, 32.6076



27.8503, 28.8763, 21.8419

Rectangle

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



23.8496, 28.8763, 30.3033



24.8065, 28.8763, 39.5790



31.3870, 28.8763, 32.6076



30.2665, 28.8763, 24.5034

Sweetspot

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



23.8504, 28.8775, 30.3039



51.6781, 56.6352, 61.1859



23.6845, 28.9938, 21.1780



11.6307, 12.7858, 13.8036



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.



23.8504, 28.8775, 30.3039



40.9846, 51.2897, 53.1309



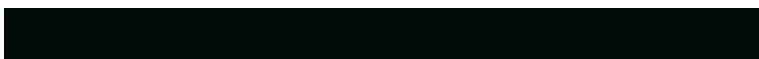
23.5413, 26.8593, 34.5169



6.3063, 6.9952, 7.5363



11.6453, 19.7216, 14.8844



0.1898, 0.3011, 0.3054

Inverse Universe

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



23.5849, 21.1517, 23.2628



40.4157, 34.6858, 38.0064



23.7961, 22.6709, 19.9516



6.2806, 6.2514, 6.8578



11.2700, 5.7622, 2.6808



0.1831, 0.0920, 0.1170

Previews

White Background



This preview shows how the XYZ color 23.8496, 28.8763, 30.3033 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 23.8496, 28.8763, 30.3033 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 23.8496, 28.8763, 30.3033

Background



This preview shows how black text looks on a background with the XYZ color 23.8496, 28.8763, 30.3033.

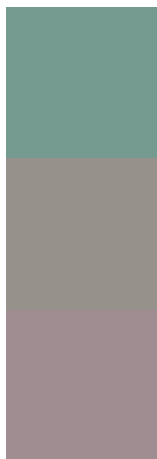


This preview shows how white text looks on a background with the XYZ color 23.8496, 28.8763,

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

23.8496, 28.8763, 30.3033

Protanopia

27.2905, 28.5698, 28.1209

Deuteranopia

29.2104, 28.5987, 31.1747



Tritanopia

25.5626, 28.8425, 38.8702

Trichromacy



Original Color

23.8496, 28.8763, 30.3033

Protanomaly

25.8048, 28.4765, 28.9474

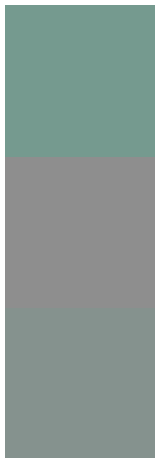
Deuteranomaly

26.8913, 28.5314, 30.8778

Tritanomaly

24.9747, 28.8498, 35.7048

Monochromacy



Original Color

23.8496, 28.8763, 30.3033

Achromatopsia

25.7108, 27.0498, 29.4572

Achromatomaly

24.8342, 27.4973, 29.5898

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.8496, 28.8763, 30.3033 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(117, 154, 143)` looks like.

```
.text, #text, p{  
    color:rgb(117, 154, 143)  
}
```

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(117, 154, 143) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 154, 143) }
```

Border

The CSS property to change the border of an element to XYZ 23.8496, 28.8763, 30.3033 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(117, 154, 143) }
```


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

```
.border{ border-color:rgb(117, 154, 143) }
```

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

Here you see how a box with a 4 pixel rgb(117, 154, 143) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 154, 143); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 154, 143);  
box-shadow:4px 4px 4px 4px rgb(117, 154,  
143) }
```

Background

The CSS property to change the background color of an element to XYZ 23.8496, 28.8763, 30.3033 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 154, 143) }
```

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

```
.background{ background-color: rgb(117,  
154, 143) }
```

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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