

Converting Colors

XYZ(23.9101, 28.8038, 28.9913)

Have a look what the booklet for
XYZ(23.9101, 28.8038, 28.9913)
contains.

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Color

**XYZ(23.8706, 28.6690,
29.0865)**

Conversions

Conversions Part 1

Format	Color
Hex	78998C
RGB	120, 153, 140
RGB Percent	47%, 60%, 55%
CMY	0.5294, 0.4000, 0.4510
CMYK	0.22, 0.00, 0.08, 0.40
HSL	156°, 14%, 54%
HSV	156°, 22%, 60%
XYZ	23.8706, 28.6690, 29.0865
YIQ	141.6510, -15.4950, -11.0390

Conversions

Conversions Part 2

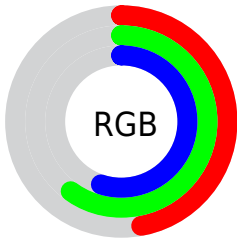
Format	Color
R_{YB}	120, 141, 153
Decimal	7903628
CIE Lab	60.49, -14.23, 3.07
CIE LCh	60, 14.558, 167.829
Yxy	28.6690, 0.2924, 0.3512
Android (android.graphics.Color)	4286093708 (0xFF78998C)
YUV	141.6510, -0.8139, -18.9879
Hunter-Lab	53.5434, -14.1226, 5.2722

Details

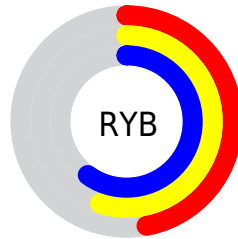
The XYZ color **23.8706, 28.6690, 29.0865** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **24.0880, 21.8995, 25.1490**, and the grayscale version is **25.5815, 26.9137, 29.3090**.

A 20% lighter version of the original color is **49.2840, 57.4049, 59.5217**, and **9.1954, 11.5805, 11.4235** is the 20% darker color. If you saturate the color by 10%, you get **21.4836, 27.4892, 26.7181**, and if you desaturate by 10%, it is **26.6226, 30.0357, 31.6004**.

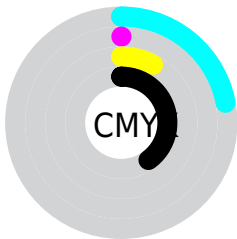
Distribution



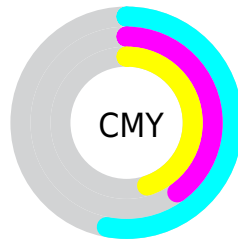
- Red (47%)
- Green (60%)
- Blue (55%)



- Red (47%)
- Yellow (55%)
- Blue (60%)



- Cyan (22%)
- Magenta (0%)
- Yellow (8%)
- Black (40%)



- Cyan (53%)
- Magenta (40%)
- Yellow (45%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.8706, 28.6690, 29.0865 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 23.8706, 28.6690, 29.0865 by changing the saturation by 10% instead.

■ 23.8706, 28.6690,
29.0865

■ 23.8706, 28.6690,
29.0865

264.6183,
295.6500, 311.6966

■ 15.3619, 18.8306,
18.9001

■ 49.2752, 57.5508,
59.2583

■ 9.1617, 11.5479,
11.4221

■ 66.9017, 77.3629,
80.0808

■ 4.9048, 6.4366,
6.2337

■ 88.2983, 101.2684,
105.2858

■ 2.2257, 3.1124,
2.9166

113.8302,
129.6516, 135.2918

■ 0.7562, 1.1907,
1.0522

143.8627,
162.8970, 170.5173

■ 0.0000, 0.0541,
0.0000

178.7614,

■ 0.0000, 0.0000,

201.3889, 211.3809

0.0000

218.8914,
245.5118, 258.3012

■ 23.8706, 28.6690,
29.0865

■ 23.8706, 28.6690,
29.0865

■ 21.4836, 27.4892,
26.7181

■ 26.6226, 30.0357,
31.6004

■ 19.4428, 26.4843,
24.4904

■ 29.7527, 31.5937,
34.2604

■ 17.7313, 25.6465,
22.4012

■ 33.2761, 33.3515,
37.0699

■ 16.3295, 24.9656,
20.4474

■ 37.2065, 35.3163,
40.0314

■ 15.2160, 24.4308,
18.6258

■ 41.5569, 37.4945,
43.1472

■ 14.3663, 24.0293,
16.9332

■ 46.3397, 39.8927,
46.4199

■ 13.7517, 23.7465,
15.3658

■ 51.5670, 42.5169,
49.8517

■ 13.3553, 23.5689,
14.1371

■ 57.2500, 45.3729,
53.4449

■ 62.3979, 47.9500,
57.1549

Harmonies

Analogous

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



24.6603, 28.6690, 24.7771



23.8706, 28.6690, 29.0865



23.9551, 28.6690, 34.4891

Triad

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



23.8706, 28.6690, 29.0865



28.3692, 28.6690, 42.1275



29.7449, 28.6690, 24.1636

Complementary

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



23.8706, 28.6690, 29.0865



24.0880, 21.8995, 25.1490

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.



30.8318, 28.6690, 28.1562



23.8706, 28.6690, 29.0865



30.0128, 28.6690, 38.6830

Square

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



23.8706, 28.6690, 29.0865



26.4951, 28.6690, 42.4508



30.9321, 28.6690, 33.4463



28.0171, 28.6690, 22.1615

Rectangle

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



23.8706, 28.6690, 29.0865



24.4962, 28.6690, 37.9949



30.9321, 28.6690, 33.4463



30.2007, 28.6690, 25.2950

Sweetspot

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



23.8714, 28.6702, 29.0871



50.6455, 55.2653, 59.1537



24.4868, 29.1427, 22.1042



11.1112, 12.1674, 13.0007



72.9764, 76.7769, 83.6100



11.9732, 12.5967, 13.7178

Same Dimension

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



23.8714, 28.6702, 29.0871



40.5552, 50.2566, 49.9598



24.3550, 28.0112, 34.2615



6.2814, 6.9853, 7.4054



11.0541, 19.4851, 11.7715



0.1831, 0.2984, 0.2698

Inverse Universe

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



24.0880, 21.8995, 25.1490



41.0163, 35.8646, 41.5921



23.6482, 22.3696, 20.8411



6.3045, 6.2610, 6.9839



11.5531, 5.8755, 4.1718



0.1898, 0.0947, 0.1525

Previews

White Background



This preview shows how the XYZ color 23.8706, 28.6690, 29.0865 looks on a white background.

Color Contrast Check

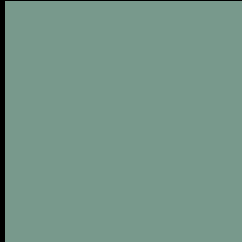
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.8706, 28.6690, 29.0865 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 23.8706, 28.6690, 29.0865

Background



This preview shows how black text looks on a background with the XYZ color 23.8706, 28.6690, 29.0865.



This preview shows how white text looks on a background with the XYZ color 23.8706, 28.6690,

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

23.8706, 28.6690, 29.0865

Protanopia

27.1470, 28.5124, 27.3652

Deuteranopia

29.1807, 28.6100, 29.9709



Tritanopia

25.7401, 28.7064, 38.3667

Trichromacy



Original Color

23.8706, 28.6690, 29.0865

Protanomaly

25.7527, 28.4749, 27.8058

Deuteranomaly

26.8619, 28.3148, 29.6407

Tritanomaly

25.0677, 28.6773, 34.7859

Monochromacy



Original Color

23.8706, 28.6690, 29.0865

Achromatopsia

25.7108, 27.0498, 29.4572

Achromatomaly

24.9181, 27.5492, 29.2035

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.8706, 28.6690, 29.0865 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(120, 153, 140)` looks like.

```
.text, #text, p{  
    color:rgb(120, 153, 140)  
}
```

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(120, 153, 140) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 153, 140) }
```

Border

The CSS property to change the border of an element to XYZ 23.8706, 28.6690, 29.0865 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(120, 153, 140) }
```


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

```
.border{ border-color:rgb(120, 153, 140) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 153, 140)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 153, 140); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 153, 140);  
box-shadow:4px 4px 4px 4px rgb(120, 153,  
140) }
```

Background

The CSS property to change the background color of an element to XYZ 23.8706, 28.6690, 29.0865 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 153, 140) }
```

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

```
.background{ background-color: rgb(120,  
153, 140) }
```

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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