

Converting Colors

XYZ(23.3956, 29.7019, 28.7982)

Have a look what the booklet for
XYZ(23.3956, 29.7019, 28.7982)
contains.

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Color

**XYZ(23.4426, 29.6973,
28.9227)**

Conversions

Conversions Part 1

Format	Color
Hex	6F9E8B
RGB	111, 158, 139
RGB Percent	44%, 62%, 55%
CMY	0.5647, 0.3804, 0.4549
CMYK	0.30, 0.00, 0.12, 0.38
HSL	156°, 20%, 53%
HSV	156°, 30%, 62%
XYZ	23.4426, 29.6973, 28.9227
YIQ	141.7810, -21.9130, -15.8730

Conversions

Conversions Part 2

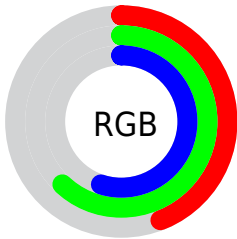
Format	Color
RYB	111, 140, 158
Decimal	7315083
CIELab	61.39, -20.02, 4.87
CIElCh	61, 20.607, 166.331
Yxy	29.6973, 0.2857, 0.3619
Android (android.graphics.Color)	4285505163 (0xFF6F9E8B)
YUV	141.7810, -1.3710, -26.9949
Hunter-Lab	54.4952, -18.5800, 6.6792

Details

The XYZ color **23.4426, 29.6973, 28.9227** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **23.8153, 20.2504, 23.7738**, and the grayscale version is **25.6367, 26.9718, 29.3723**.

A 20% lighter version of the original color is **48.6185, 59.2868, 58.7502**, and **8.8817, 12.0214, 11.3034** is the 20% darker color. If you saturate the color by 10%, you get **21.1746, 28.5813, 26.4513**, and if you desaturate by 10%, it is **26.0912, 31.0080, 31.5556**.

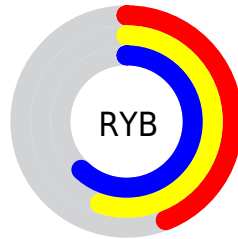
Distribution



Red (44%)

Green (62%)

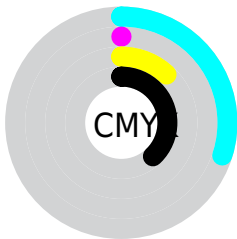
Blue (55%)



Red (44%)

Yellow (55%)

Blue (62%)

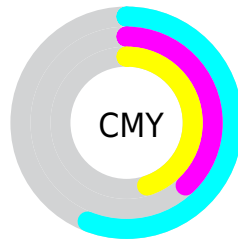


Cyan (30%)

Magenta (0%)

Yellow (12%)

Black (38%)



Cyan (56%)

Magenta (38%)

Yellow (45%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.4426, 29.6973, 28.9227 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 23.4426, 29.6973, 28.9227 by changing the saturation by 10% instead.

■ 23.4426, 29.6973,
28.9227

■ 23.4426, 29.6973,
28.9227

262.4833,
300.4909, 310.8996

■ 15.0431, 19.6089,
18.7773

■ 48.5804, 59.1831,
58.9950

■ 8.9362, 12.1111,
11.3343

■ 66.0494, 79.3494,
79.7589

■ 4.7564, 6.8194,
6.1752

■ 87.2724, 103.6438,
104.8994

■ 2.1383, 3.3494,
2.8814

■ 112.6146,
132.4507, 134.8350

■ 0.7099, 1.3168,
1.0344

142.4415,
166.1544, 169.9843

■ 0.0000, 0.1541,
0.0000

177.1183,

■ 0.0000, 0.0000,

205.1395, 210.7658

0.0000

217.0104,
249.7902, 257.5981

■ 23.4426, 29.6973,
28.9227

■ 23.4426, 29.6973,
28.9227

■ 21.1746, 28.5813,
26.4513

■ 26.0912, 31.0080,
31.5556

■ 19.2658, 27.6465,
24.1360

■ 29.1356, 32.5187,
34.3511

■ 17.6962, 26.8836,
21.9741

■ 32.5930, 34.2391,
37.3130

■ 16.4430, 26.2808,
19.9621

■ 36.4790, 36.1771,
40.4443

■ 15.4802, 25.8247,
18.0959

■ 40.8084, 38.3403,
43.7478

■ 14.7776, 25.4999,
16.3716

■ 45.5950, 40.7359,
47.2262

■ 14.2657, 25.2707,
14.7831

■ 50.8523, 43.3707,
50.8825

■ 14.2534, 25.2652,
14.7446

■ 56.5931, 46.2512,
54.7191

■ 62.8297, 49.3838,
58.7387

Harmonies

Analogous

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



24.6092, 29.6973, 23.0549



23.4426, 29.6973, 28.9227



23.4982, 29.6973, 36.7333

Triad

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



23.4426, 29.6973, 28.9227



29.7229, 29.6973, 48.9478



31.9946, 29.6973, 22.6644

Complementary

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



23.4426, 29.6973, 28.9227



23.8153, 20.2504, 23.7738

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.



33.5497, 29.6973, 28.3032



23.4426, 29.6973, 28.9227



32.1817, 29.6973, 43.8219

Square

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



23.4426, 29.6973, 28.9227



27.0082, 29.6973, 49.1856



33.6204, 29.6973, 36.0063



29.4807, 29.6973, 19.8537

Rectangle

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



23.4426, 29.6973, 28.9227



24.2185, 29.6973, 42.0476



33.6204, 29.6973, 36.0063



32.6537, 29.6973, 24.2471

Sweetspot

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



23.4434, 29.6985, 28.9234



53.2461, 59.2194, 62.6780



24.3927, 30.3948, 19.6205



11.8205, 13.2596, 13.9677



76.7382, 80.7346, 87.9200



13.3056, 13.9985, 15.2444

Same Dimension

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



23.4434, 29.6985, 28.9234



39.6346, 52.4829, 49.3694



24.2974, 28.9881, 36.6638



6.7082, 7.4640, 7.8981



11.4349, 20.2419, 11.9130



0.2250, 0.3702, 0.3213

Inverse Universe

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



23.8153, 20.2504, 23.7738



40.4281, 32.3730, 38.4185



23.0919, 20.6600, 17.8101



6.7386, 6.6884, 7.4748



12.0500, 6.1246, 4.5143



0.2358, 0.1177, 0.1879

Previews

White Background



This preview shows how the XYZ color 23.4426, 29.6973, 28.9227 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 23.4426, 29.6973, 28.9227 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 23.4426, 29.6973, 28.9227

Background



This preview shows how black text looks on a background with the XYZ color 23.4426, 29.6973, 28.9227.

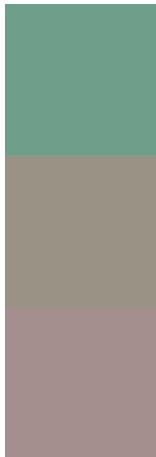


This preview shows how white text looks on a background with the XYZ color 23.4426, 29.6973,

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

23.4426, 29.6973, 28.9227

Protanopia

27.9938, 29.4309, 26.3956

Deuteranopia

30.0148, 29.4904, 29.7015



Tritanopia

25.7747, 29.6463, 40.4402

Trichromacy



Original Color

23.4426, 29.6973, 28.9227

Protanomaly

25.9210, 29.2858, 27.2082

Deuteranomaly

27.0747, 29.1226, 29.3935

Tritanomaly

24.7923, 29.4878, 35.8375

Monochromacy



Original Color

23.4426, 29.6973, 28.9227

Achromatopsia

25.7108, 27.0498, 29.4572

Achromatomaly

24.7577, 27.9282, 29.2851

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.4426, 29.6973, 28.9227 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(111, 158, 139)` looks like.

```
.text, #text, p{  
    color:rgb(111, 158, 139)  
}
```

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(111, 158, 139) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(111, 158, 139) }
```

Border

The CSS property to change the border of an element to XYZ 23.4426, 29.6973, 28.9227 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(111, 158, 139) }
```


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

```
.border{ border-color:rgb(111, 158, 139) }
```

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

Here you see how a box with a 4 pixel `rgb(111, 158, 139)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(111, 158, 139); -webkit-box-  
shadow:4px 4px 4px 4px rgb(111, 158, 139);  
box-shadow:4px 4px 4px 4px rgb(111, 158,  
139) }
```

Background

The CSS property to change the background color of an element to XYZ 23.4426, 29.6973, 28.9227 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(111, 158, 139) }
```

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

```
.background{ background-color: rgb(111,  
158, 139) }
```

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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