

Converting Colors

XYZ(10.2169, 12.8305, 26.8457)

Have a look what the booklet for
XYZ(10.2169, 12.8305, 26.8457)
contains.

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Color

**XYZ(10.2023, 12.8307,
26.7498)**

Conversions

Conversions Part 1

Format	Color
Hex	006D8C
RGB	0, 109, 140
RGB Percent	0%, 43%, 55%
CMY	0.9999, 0.5725, 0.4510
CMYK	1.00, 0.22, 0.00, 0.45
HSL	193°, 100%, 27%
HSV	193°, 100%, 55%
XYZ	10.2023, 12.8307, 26.7498
YIQ	79.9430, -74.9150, -13.4670

Conversions

Conversions Part 2

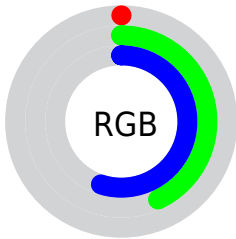
Format	Color
RYB	0, 61, 140
Decimal	28044
CIELab	42.51, -14.56, -24.39
CIElCh	43, 28.404, 239.158
Yxy	12.8307, 0.2049, 0.2577
Android (android.graphics.Color)	4278218124 (0xFF006D8C)
YUV	79.9430, 29.6081, -70.1100
Hunter-Lab	35.8200, -11.8443, -19.2029

Details

The XYZ color **10.2023, 12.8307, 26.7498** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **11.3061, 6.5568, 0.6704**, and the grayscale version is **7.5702, 7.9644, 8.6733**.

A 20% lighter version of the original color is **25.9621, 31.1786, 55.6887**, and **3.5142, 4.0757, 10.2743** is the 20% darker color. If you saturate the color by 10%, you get **10.2018, 12.8298, 26.7499**, and if you desaturate by 10%, it is **10.7206, 13.5978, 26.8708**.

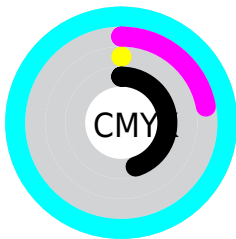
Distribution



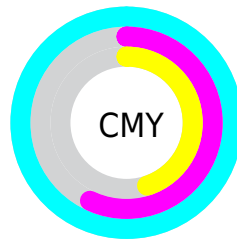
- Red (0%)
- Green (43%)
- Blue (55%)



- Red (0%)
- Yellow (24%)
- Blue (55%)



- Cyan (100%)
- Magenta (22%)
- Yellow (0%)
- Black (45%)



- Cyan (100%)
- Magenta (57%)
- Yellow (45%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 10.2023, 12.8307, 26.7498 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 10.2023, 12.8307, 26.7498 by changing the saturation by 10% instead.

■ 10.2023, 12.8307,
26.7498

■ 10.2023, 12.8307,
26.7498

186.1335,
209.8298, 300.1654

■ 5.5966, 7.3121,
17.1546

■ 25.8216, 30.9993,
55.4810

■ 2.6397, 3.6580,
10.1817

■ 37.5658, 44.4180,
75.4540

■ 0.9662, 1.4842,
5.4124

■ 52.4203, 61.2390,
99.7235

■ 0.0000, 0.2775,
2.4283

■ 70.7503, 81.8464,
128.7079

■ 0.0000, 0.0000,
0.8018

■ 92.9213, 106.6249,
162.8257

■ 0.0000, 0.0000,
0.0000

■ 119.2986,

135.9586, 202.4955

150.2476,
170.2321, 248.1359

■ 10.2023, 12.8307,
26.7498

■ 10.2023, 12.8307,
26.7498

■ 10.2018, 12.8298,
26.7499

■ 10.7206, 13.5978,
26.8708

■ 11.3671, 14.4483,
27.0009

■ 12.2037, 15.4145,
27.1433

■ 13.2525, 16.5079,
27.2991

■ 14.5323, 17.7384,
27.4691

■ 16.0598, 19.1148,
27.6543

■ 17.8502, 20.6450,
27.8553

■ 19.9173, 22.3363,
28.0728

■ 22.2740, 24.1956,
28.3075

Harmonies

Analogous

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



8.9391, 12.8307, 20.5452



10.2023, 12.8307, 26.7498



12.1348, 12.8307, 29.4044

Triad

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



10.2023, 12.8307, 26.7498



16.7968, 12.8307, 14.1445



10.2957, 12.8307, 5.9911

Complementary

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



10.2023, 12.8307, 26.7498



11.3061, 6.5568, 0.6704

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.



12.2558, 12.8307, 5.1809



10.2023, 12.8307, 26.7498



16.1592, 12.8307, 8.9734

Square

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



10.2023, 12.8307, 26.7498



16.0863, 12.8307, 20.9360



14.4321, 12.8307, 6.0903



8.9884, 12.8307, 8.7517

Rectangle

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



10.2023, 12.8307, 26.7498



13.5981, 12.8307, 28.3460



14.4321, 12.8307, 6.0903



10.8923, 12.8307, 5.5250

Sweetspot

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



10.2027, 12.8311, 26.7501



31.2505, 36.2138, 49.0858



9.6174, 18.8521, 4.3840



6.9198, 8.1070, 11.2795



67.5393, 71.0566, 77.3807



10.1266, 10.6539, 11.6021

Same Dimension

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



10.2027, 12.8311, 26.7501



17.8637, 22.3744, 47.1201



5.4822, 3.3901, 25.1766



5.0805, 5.5039, 6.4004



9.0796, 11.4295, 23.7733



0.0710, 0.0974, 0.1615

Inverse Universe

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



13.5760, 6.6802, 15.0422



23.8721, 11.7515, 26.1913



15.4054, 14.7555, 2.0369



5.1872, 5.1103, 6.0745



12.0698, 5.9380, 13.4036



0.0856, 0.0416, 0.1175

Previews

White Background



This preview shows how the XYZ color 10.2023, 12.8307, 26.7498 looks on a white 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

Black Background



This preview shows how the XYZ color 10.2023, 12.8307, 26.7498 looks on a black 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

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 10.2023, 12.8307, 26.7498

Background



This preview shows how black text looks on a background with the XYZ color 10.2023, 12.8307, 26.7498.

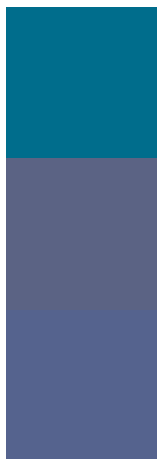


This preview shows how white text looks on a background with the XYZ color 10.2023, 12.8307,

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

10.2023, 12.8307, 26.7498

Protanopia

12.9411, 12.8138, 23.6210

Deuteranopia

13.0906, 12.8080, 27.3734



Tritanopia

9.0746, 12.7249, 19.7472

Trichromacy



Original Color

10.2023, 12.8307, 26.7498

Protanomaly

10.9683, 12.3493, 24.7272

Deuteranomaly

11.1793, 12.4079, 27.0050

Tritanomaly

9.4067, 12.6842, 22.0312

Monochromacy



Original Color

10.2023, 12.8307, 26.7498

Achromatopsia

7.6249, 8.0220, 8.7359

Achromatomaly

7.5046, 9.1453, 13.9401

CSS Examples

Text

The CSS property to change the color of the text to XYZ 10.2023, 12.8307, 26.7498 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(0, 109, 140)` looks like.

```
.text, #text, p{  
  color:rgb(0, 109, 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(0, 109, 140) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 109, 140) }
```

Border

The CSS property to change the border of an element to XYZ 10.2023, 12.8307, 26.7498 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(0, 109, 140) }
```


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

```
.border{ border-color:rgb(0, 109, 140) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 109, 140)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 109, 140); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 109, 140);  
box-shadow:4px 4px 4px 4px rgb(0, 109,  
140) }
```

Background

The CSS property to change the background color of an element to XYZ 10.2023, 12.8307, 26.7498 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 109, 140) }
```

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

```
.background{ background-color: rgb(0, 109,  
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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