

Converting Colors

XYZ(8.2724, 11.8647, 24.8626)

Have a look what the booklet for
XYZ(8.2724, 11.8647, 24.8626)
contains.

XYZ(9.8418, 12.6865, 24.8517)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(9.8418, 12.6865,
24.8517)**

Conversions

Conversions Part 1

Format	Color
Hex	006D87
RGB	0, 109, 135
RGB Percent	0%, 43%, 53%
CMY	0.9999, 0.5725, 0.4706
CMYK	1.00, 0.19, 0.00, 0.47
HSL	192°, 100%, 26%
HSV	192°, 100%, 53%
XYZ	9.8418, 12.6865, 24.8517
YIQ	79.3730, -73.3100, -15.0220

Conversions

Conversions Part 2

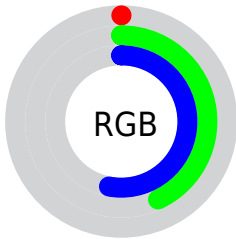
Format	Color
RYB	0, 60, 135
Decimal	28039
CIELab	42.29, -16.45, -21.73
CIELCh	42, 27.252, 232.881
Yxy	12.6865, 0.2077, 0.2678
Android (android.graphics.Color)	4278218119 (0xFF006D87)
YUV	79.3730, 27.4241, -69.6101
Hunter-Lab	35.6181, -13.0096, -16.4355

Details

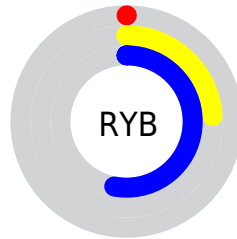
The XYZ color **9.8418, 12.6865, 24.8517** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **10.3617, 5.8906, 0.5914**, and the grayscale version is **7.4637, 7.8524, 8.5513**.

A 20% lighter version of the original color is **25.2153, 30.8699, 52.2065**, and **3.3084, 3.9934, 9.1908** is the 20% darker color. If you saturate the color by 10%, you get **9.8416, 12.6860, 24.8519**, and if you desaturate by 10%, it is **10.2973, 13.3394, 24.9540**.

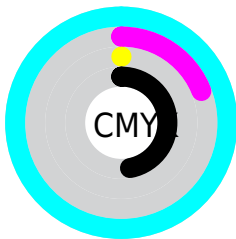
Distribution



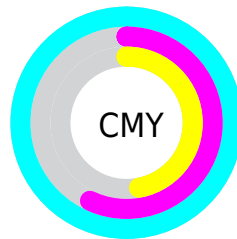
- Red (0%)
- Green (43%)
- Blue (53%)



- Red (0%)
- Yellow (24%)
- Blue (53%)



- Cyan (100%)
- Magenta (19%)
- Yellow (0%)
- Black (47%)



- Cyan (100%)
- Magenta (57%)
- Yellow (47%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 9.8418, 12.6865, 24.8517 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 9.8418, 12.6865, 24.8517 by changing the saturation by 10% instead.

■ 9.8418, 12.6865,
24.8517

■ 9.8418, 12.6865,
24.8517

183.6165,
208.8986, 290.5226

■ 5.3557, 7.2130,
15.7486

■ 25.1499, 30.7394,
52.3777

■ 2.4943, 3.5957,
9.1940

■ 36.7026, 44.0876,
71.6376

■ 0.8924, 1.4501,
4.7694

■ 51.3414, 60.8296,
95.1202

■ 0.0000, 0.2532,
2.0562

■ 69.4319, 81.3496,
123.2441

■ 0.0000, 0.0000,
0.5895

■ 91.3393, 106.0321,
156.4277

■ 0.0000, 0.0000,
0.0000

■ 117.4289,

135.2615, 195.0896

148.0662,
169.4222, 239.6484

■ 9.8418, 12.6865,
24.8517

■ 9.8418, 12.6865,
24.8517

■ 9.8416, 12.6860,
24.8519

■ 10.2973, 13.3394,
24.9540

■ 10.8658, 14.0628,
25.0636

■ 11.6069, 14.8874,
25.1837

■ 12.5404, 15.8238,
25.3153

■ 13.6836, 16.8808,
25.4590

■ 15.0517, 18.0664,
25.6158

■ 16.6585, 19.3879,
25.7862

■ 18.5166, 20.8518,
25.9708

■ 20.6377, 22.4643,
26.1702

Harmonies

Analogous

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



8.7922, 12.6865, 18.6599



9.8418, 12.6865, 24.8517



11.5784, 12.6865, 28.2345

Triad

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



9.8418, 12.6865, 24.8517



16.3860, 12.6865, 15.2534



10.5959, 12.6865, 5.8312

Complementary

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



9.8418, 12.6865, 24.8517



10.3617, 5.8906, 0.5914

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.



12.5510, 12.6865, 5.3938



9.8418, 12.6865, 24.8517



16.0466, 12.6865, 9.8884

Square

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



9.8418, 12.6865, 24.8517



15.4655, 12.6865, 21.7655



14.5845, 12.6865, 6.6505



9.1921, 12.6865, 8.0811

Rectangle

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



9.8418, 12.6865, 24.8517



12.9542, 12.6865, 27.9197



14.5845, 12.6865, 6.6505



11.2043, 12.6865, 5.4993

Sweetspot

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



9.8422, 12.6869, 24.8520



29.6203, 34.5493, 46.1559



8.8373, 17.3975, 3.7988



6.6058, 7.7948, 10.6627



65.7814, 69.2071, 75.3665



9.5508, 10.0482, 10.9424

Same Dimension

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



9.8422, 12.6869, 24.8520



17.5133, 22.4962, 44.4675



5.2288, 3.4600, 23.3142



4.7275, 5.1305, 5.9419



9.0842, 11.7163, 22.9194



0.0363, 0.0503, 0.0810

Inverse Universe

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



12.7524, 6.2555, 15.0036



22.7801, 11.1791, 26.5716



13.8413, 12.8498, 1.7513



4.8205, 4.7479, 5.6669



11.7634, 5.7697, 13.8583



0.0432, 0.0210, 0.0609

Previews

White Background



This preview shows how the XYZ color 9.8418, 12.6865, 24.8517 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 9.8418, 12.6865, 24.8517 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

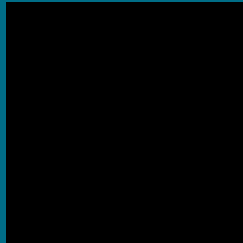
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 9.8418, 12.6865, 24.8517

Background



This preview shows how black text looks on a background with the XYZ color 9.8418, 12.6865, 24.8517.

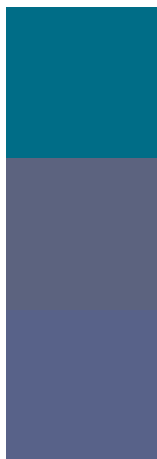


This preview shows how white text looks on a background with the XYZ color 9.8418, 12.6865,

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

9.8418, 12.6865, 24.8517

Protanopia

12.7062, 12.7313, 21.8664

Deuteranopia

12.9075, 12.6162, 25.4218



Tritanopia

9.0746, 12.7249, 19.7472

Trichromacy



Original Color

9.8418, 12.6865, 24.8517

Protanomaly

10.6831, 12.2420, 22.9190

Deuteranomaly

10.8262, 12.1211, 25.0616

Tritanomaly

9.2776, 12.6325, 21.3514

Monochromacy



Original Color

9.8418, 12.6865, 24.8517

Achromatopsia

7.4317, 7.8187, 8.5146

Achromatomaly

7.2237, 8.8913, 13.1398

CSS Examples

Text

The CSS property to change the color of the text to XYZ 9.8418, 12.6865, 24.8517 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, 135)` looks like.

```
.text, #text, p{  
    color:rgb(0, 109, 135)  
}
```

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, 135) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 109, 135) }
```

Border

The CSS property to change the border of an element to XYZ 9.8418, 12.6865, 24.8517 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, 135) }
```


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

```
.border{ border-color:rgb(0, 109, 135) }
```

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, 135)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 109, 135); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 109, 135);  
box-shadow:4px 4px 4px 4px rgb(0, 109,  
135) }
```

Background

The CSS property to change the background color of an element to XYZ 9.8418, 12.6865, 24.8517 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, 135) }
```

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

```
.background{ background-color: rgb(0, 109,  
135) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor