

Converting Colors

XYZ(8.9915, 10.6778, 25.5181)

Have a look what the booklet for
XYZ(8.9915, 10.6778, 25.5181)
contains.

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Color

**XYZ(9.0493, 10.7587,
25.6444)**

Conversions

Conversions Part 1

Format	Color
Hex	00638A
RGB	0, 99, 138
RGB Percent	0%, 39%, 54%
CMY	0.9999, 0.6118, 0.4588
CMYK	1.00, 0.28, 0.00, 0.46
HSL	197°, 100%, 27%
HSV	197°, 100%, 54%
XYZ	9.0493, 10.7587, 25.6444
YIQ	73.8450, -71.5230, -8.8590

Conversions

Conversions Part 2

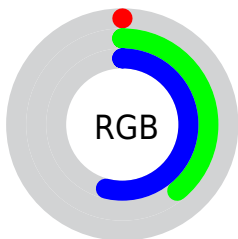
Format	Color
RYB	0, 58, 138
Decimal	25482
CIELab	39.17, -9.49, -28.39
CIELCh	39, 29.935, 251.508
Yxy	10.7587, 0.1991, 0.2367
Android (android.graphics.Color)	4278215562 (0xFF00638A)
YUV	73.8450, 31.6284, -64.7621
Hunter-Lab	32.8005, -8.1545, -23.3944

Details

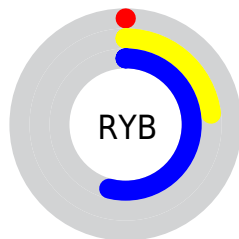
The XYZ color **9.0493, 10.7587, 25.6444** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **11.2075, 6.8556, 0.7331**, and the grayscale version is **6.4375, 6.7728, 7.3755**.

A 20% lighter version of the original color is **23.7290, 27.3239, 53.8926**, and **3.0346, 3.2508, 9.7000** is the 20% darker color. If you saturate the color by 10%, you get **9.0489, 10.7579, 25.6445**, and if you desaturate by 10%, it is **9.6063, 11.6079, 25.7792**.

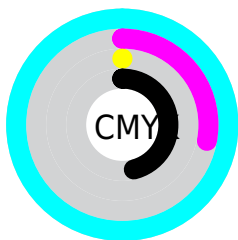
Distribution



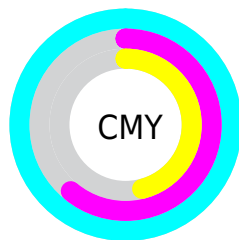
- Red (0%)
- Green (39%)
- Blue (54%)



- Red (0%)
- Yellow (23%)
- Blue (54%)



- Cyan (100%)
- Magenta (28%)
- Yellow (0%)
- Black (46%)



- Cyan (100%)
- Magenta (61%)
- Yellow (46%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 9.0493, 10.7587, 25.6444 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 9.0493, 10.7587, 25.6444 by changing the saturation by 10% instead.

9.0493, 10.7587,
25.6444

9.0493, 10.7587,
25.6444

177.9445,
196.0045, 294.5818

4.8307, 5.9048,
16.3344

23.6575, 27.2131,
53.6777

2.1820, 2.7873,
9.6042

34.7778, 39.5824,
73.2382

0.7332, 1.0217,
5.0352

48.9295, 55.2256,
97.0525

0.0000, 0.0000,
2.2088

66.4778, 74.5272,
125.5393

0.0000, 0.0000,
0.6794

87.7880, 97.8714,
159.1171

0.0000, 0.0000,
0.0000

113.2257,

125.6428, 198.2044

143.1561,
158.2257, 243.2198

■ 9.0493, 10.7587,
25.6444

■ 9.0493, 10.7587,
25.6444

■ 9.0489, 10.7579,
25.6445

■ 9.6063, 11.6079,
25.7792

■ 10.2931, 12.5507,
25.9250

■ 11.1708, 13.6192,
26.0849

■ 12.2607, 14.8246,
26.2602

■ 13.5810, 16.1767,
26.4516

■ 15.1481, 17.6843,
26.6600

■ 16.9767, 19.3553,
26.8861

■ 19.0802, 21.1969,
27.1307

■ 21.4712, 23.2159,
27.3944

Harmonies

Analogous

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



7.5981, 10.7587, 20.6786



9.0493, 10.7587, 25.6444



11.0158, 10.7587, 26.2367

Triad

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



9.0493, 10.7587, 25.6444



14.4957, 10.7587, 9.6436



7.8742, 10.7587, 5.2309

Complementary

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



9.0493, 10.7587, 25.6444



11.2075, 6.8556, 0.7331

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.



9.4746, 10.7587, 3.8757



9.0493, 10.7587, 25.6444



13.3988, 10.7587, 5.8073

Square

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



9.0493, 10.7587, 25.6444



14.3427, 10.7587, 15.5838



11.5001, 10.7587, 4.0448



6.9834, 10.7587, 8.5452

Rectangle

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



9.0493, 10.7587, 25.6444



12.3797, 10.7587, 23.8992



11.5001, 10.7587, 4.0448



8.3375, 10.7587, 4.5891

Sweetspot

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



9.0497, 10.7591, 25.6447



29.6984, 33.9147, 47.3641



9.4198, 18.3096, 4.7727



6.3889, 7.3609, 10.5904



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.



9.0497, 10.7591, 25.6447



15.8117, 18.6855, 45.1565



5.1100, 2.8798, 24.3315



5.0554, 5.4537, 6.3921



8.3092, 9.8888, 23.5165



0.0677, 0.0906, 0.1604

Inverse Universe

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



12.7337, 6.3046, 12.3505



22.3745, 11.0840, 21.3990



15.6154, 15.6713, 2.2024



5.1746, 5.1053, 6.0078



11.6809, 5.7825, 11.3560



0.0839, 0.0409, 0.1085

Previews

White Background



This preview shows how the XYZ color 9.0493, 10.7587, 25.6444 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 9.0493, 10.7587, 25.6444 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 9.0493, 10.7587, 25.6444

Background



This preview shows how black text looks on a background with the XYZ color 9.0493, 10.7587, 25.6444.

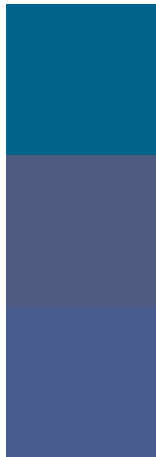


This preview shows how white text looks on a background with the XYZ color 9.0493, 10.7587,

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

9.0493, 10.7587, 25.6444

Protanopia

11.0623, 10.7831, 22.9710

Deuteranopia

11.0866, 10.8498, 26.3208



Tritanopia

7.6647, 10.8263, 16.4376

Trichromacy



Original Color

9.0493, 10.7587, 25.6444

Protanomaly

9.6212, 10.4047, 24.0555

Deuteranomaly

9.8346, 10.6064, 25.9550

Tritanomaly

8.1415, 10.8588, 19.4362

Monochromacy



Original Color

9.0493, 10.7587, 25.6444

Achromatopsia

6.5089, 6.8478, 7.4573

Achromatomaly

6.4232, 7.6539, 12.4481

CSS Examples

Text

The CSS property to change the color of the text to XYZ 9.0493, 10.7587, 25.6444 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, 99, 138)` looks like.

```
.text, #text, p{  
    color:rgb(0, 99, 138)  
}
```

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, 99, 138) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 99, 138) }
```

Border

The CSS property to change the border of an element to XYZ 9.0493, 10.7587, 25.6444 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, 99, 138) }
```


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

```
.border{ border-color:rgb(0, 99, 138) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 99, 138)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 99, 138); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 99, 138);  
box-shadow:4px 4px 4px 4px rgb(0, 99, 138)  
}
```

Background

The CSS property to change the background color of an element to XYZ 9.0493, 10.7587, 25.6444 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 99, 138) }
```

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

```
.background{ background-color: rgb(0, 99,  
138) }
```

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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