

Converting Colors

XYZ(7.6754, 9.7468, 26.0476)

Have a look what the booklet for
XYZ(7.6754, 9.7468, 26.0476)
contains.

XYZ(8.9349, 10.4135, 25.9652)	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(8.9349, 10.4135,
25.9652)**

Conversions

Conversions Part 1

Format	Color
Hex	00618B
RGB	0, 97, 139
RGB Percent	0%, 38%, 55%
CMY	0.9999, 0.6196, 0.4549
CMYK	1.00, 0.30, 0.00, 0.45
HSL	198°, 100%, 27%
HSV	198°, 100%, 55%
XYZ	8.9349, 10.4135, 25.9652
YIQ	72.7850, -71.2940, -7.5020

Conversions

Conversions Part 2

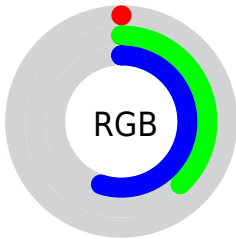
Format	Color
RYB	0, 57, 139
Decimal	24971
CIELab	38.57, -7.89, -29.93
CIELCh	39, 30.953, 255.233
Yxy	10.4135, 0.1972, 0.2298
Android (android.graphics.Color)	4278215051 (0xFF00618B)
YUV	72.7850, 32.6440, -63.8324
Hunter-Lab	32.2700, -7.0494, -25.1172

Details

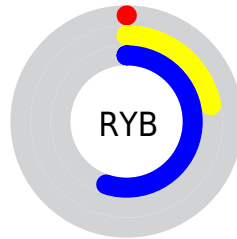
The XYZ color **8.9349, 10.4135, 25.9652** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **11.4763, 7.1462, 0.7750**, and the grayscale version is **6.2504, 6.5759, 7.1611**.

A 20% lighter version of the original color is **23.3676, 26.4232, 54.3207**, and **2.9870, 3.0889, 9.8900** is the 20% darker color. If you saturate the color by 10%, you get **8.9345, 10.4127, 25.9653**, and if you desaturate by 10%, it is **9.5134, 11.3034, 26.1067**.

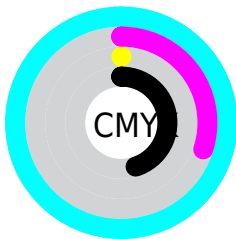
Distribution



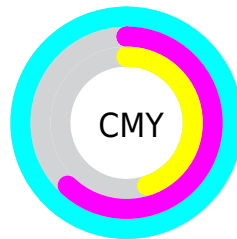
- Red (0%)
- Green (38%)
- Blue (55%)



- Red (0%)
- Yellow (22%)
- Blue (55%)



- Cyan (100%)
- Magenta (30%)
- Yellow (0%)
- Black (45%)



- Cyan (100%)
- Magenta (62%)
- Yellow (45%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 8.9349, 10.4135, 25.9652 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 8.9349, 10.4135, 25.9652 by changing the saturation by 10% instead.

8.9349, 10.4135,
25.9652

8.9349, 10.4135,
25.9652

177.1089,
193.5984, 296.2112

4.7555, 5.6740,
16.5721

23.4401, 26.5704,
54.2022

2.1378, 2.6479,
9.7711

34.4967, 38.7566,
73.8831

0.7096, 0.9508,
5.1439

48.5764, 54.1937,
97.8305

0.0000, 0.0000,
2.2717

66.0445, 73.2663,
126.4627

0.0000, 0.0000,
0.7153

87.2665, 96.3586,
160.1983

0.0000, 0.0000,
0.0000

112.6076,

123.8552, 199.4559

142.4333,
156.1403, 244.6541

■ 8.9349, 10.4135,
25.9652

■ 8.9349, 10.4135,
25.9652

■ 8.9345, 10.4127,
25.9653

■ 9.5134, 11.3034,
26.1067

■ 10.2268, 12.2937,
26.2602

■ 11.1368, 13.4167,
26.4291

■ 12.2650, 14.6842,
26.6142

■ 13.6303, 16.1061,
26.8167

■ 15.2492, 17.6915,
27.0374

■ 17.1368, 19.4485,
27.2771

■ 19.3067, 21.3846,
27.5364

■ 21.7719, 23.5068,
27.8161

Harmonies

Analogous

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



7.3934, 10.4135, 21.2828



8.9349, 10.4135, 25.9652



10.9602, 10.4135, 25.9242

Triad

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



8.9349, 10.4135, 25.9652



14.1664, 10.4135, 8.6453



7.3748, 10.4135, 5.1431

Complementary

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



8.9349, 10.4135, 25.9652



11.4763, 7.1462, 0.7750

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.



8.9062, 10.4135, 3.6063



8.9349, 10.4135, 25.9652



12.9120, 10.4135, 5.1051

Square

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



8.9349, 10.4135, 25.9652



14.1768, 10.4135, 14.4364



10.9273, 10.4135, 3.5953



6.5800, 10.4135, 8.7190

Rectangle

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



8.9349, 10.4135, 25.9652



12.3272, 10.4135, 23.1540



10.9273, 10.4135, 3.5953



7.8105, 10.4135, 4.4346

Sweetspot

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



8.9353, 10.4138, 25.9655



30.4482, 34.6093, 48.8184



9.6457, 18.6307, 5.2513



6.7152, 7.6979, 11.2113



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.



8.9353, 10.4138, 25.9655



15.8498, 18.3466, 46.4488



5.0714, 2.6860, 24.6775



5.0474, 5.4378, 6.3894



8.0792, 9.4287, 23.4398



0.0666, 0.0884, 0.1600

Inverse Universe

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



12.8055, 6.3525, 11.8608



22.8555, 11.3449, 20.8384



16.3544, 16.9025, 2.4011



5.1706, 5.1037, 5.9866



11.5648, 5.7360, 10.7446



0.0833, 0.0407, 0.1057

Previews

White Background



This preview shows how the XYZ color 8.9349, 10.4135, 25.9652 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 8.9349, 10.4135, 25.9652 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

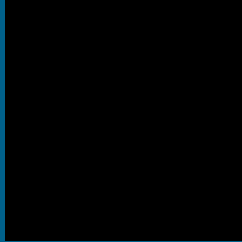
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 8.9349, 10.4135, 25.9652

Background



This preview shows how black text looks on a background with the XYZ color 8.9349, 10.4135, 25.9652.



This preview shows how white text looks on a background with the XYZ color 8.9349, 10.4135,

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

8.9349, 10.4135, 25.9652

Protanopia

10.8666, 10.4160, 23.6281

Deuteranopia

10.7288, 10.5291, 26.6661



Tritanopia

7.3605, 10.3901, 15.8049

Trichromacy



Original Color

8.9349, 10.4135, 25.9652

Protanomaly

9.4669, 10.0565, 24.3638

Deuteranomaly

9.5624, 10.1936, 26.2745

Tritanomaly

7.8869, 10.4463, 19.0534

Monochromacy



Original Color

8.9349, 10.4135, 25.9652

Achromatopsia

6.3328, 6.6626, 7.2556

Achromatomaly

6.3017, 7.4785, 12.4206

CSS Examples

Text

The CSS property to change the color of the text to XYZ 8.9349, 10.4135, 25.9652 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, 97, 139)` looks like.

```
.text, #text, p{  
    color:rgb(0, 97, 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(0, 97, 139) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 97, 139) }
```

Border

The CSS property to change the border of an element to XYZ 8.9349, 10.4135, 25.9652 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, 97, 139) }
```


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

```
.border{ border-color:rgb(0, 97, 139) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 97, 139)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 97, 139); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 97, 139);  
box-shadow:4px 4px 4px 4px rgb(0, 97, 139)  
}
```

Background

The CSS property to change the background color of an element to XYZ 8.9349, 10.4135, 25.9652 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 97, 139) }
```

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

```
.background{ background-color: rgb(0, 97,  
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](#).

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