

Converting Colors

XYZ(8.1125, 10.3824, 21.1667)

Have a look what the booklet for
XYZ(8.1125, 10.3824, 21.1667)
contains.

XYZ(8.2277, 10.4300, 21.3182)	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(8.2277, 10.4300,
21.3182)**

Conversions

Conversions Part 1

Format	Color
Hex	00637E
RGB	0, 99, 126
RGB Percent	0%, 39%, 49%
CMY	0.9999, 0.6118, 0.5059
CMYK	1.00, 0.21, 0.00, 0.51
HSL	193°, 100%, 25%
HSV	193°, 100%, 49%
XYZ	8.2277, 10.4300, 21.3182
YIQ	72.4770, -67.6710, -12.5910

Conversions

Conversions Part 2

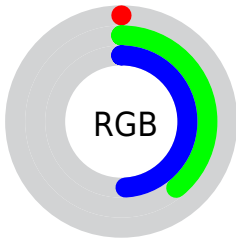
Format	Color
RYB	0, 55, 126
Decimal	25470
CIELab	38.60, -14.18, -21.99
CIELCh	39, 26.164, 237.190
Yxy	10.4300, 0.2058, 0.2609
Android (android.graphics.Color)	4278215550 (0xFF00637E)
YUV	72.4770, 26.3868, -63.5623
Hunter-Lab	32.2955, -11.0420, -16.5303

Details

The XYZ color **8.2277, 10.4300, 21.3182** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **8.9966, 5.2202, 0.5338**, and the grayscale version is **6.2069, 6.5302, 7.1113**.

A 20% lighter version of the original color is **22.1036, 26.6451, 46.6259**, and **2.5675, 2.9918, 7.4633** is the 20% darker color. If you saturate the color by 10%, you get **8.2276, 10.4297, 21.3184**, and if you desaturate by 10%, it is **8.6484, 11.0332, 21.4127**.

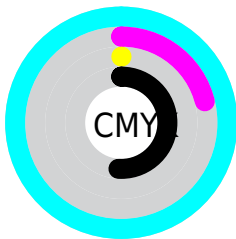
Distribution



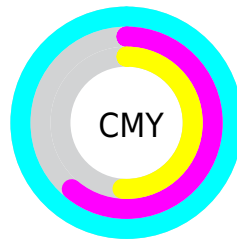
- Red (0%)
- Green (39%)
- Blue (49%)



- Red (0%)
- Yellow (22%)
- Blue (49%)



- Cyan (100%)
- Magenta (21%)
- Yellow (0%)
- Black (51%)



- Cyan (100%)
- Magenta (61%)
- Yellow (51%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 8.2277, 10.4300, 21.3182 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 8.2277, 10.4300, 21.3182 by changing the saturation by 10% instead.

8.2277, 10.4300,
21.3182

8.2277, 10.4300,
21.3182

171.8392,
193.7141, 271.8011

4.2940, 5.6850,
13.1633

22.0848, 26.6012,
46.5042

1.8698, 2.6545,
7.4090

32.7389, 38.7962,
64.3723

0.5592, 0.9541,
3.6369

46.3639, 54.2433,
86.3152

0.0000, 0.0000,
1.4283

63.3251, 73.3268,
112.7515

0.0000, 0.0000,
0.1637

83.9879, 96.4313,
144.0997

0.0000, 0.0000,
0.0000

108.7176,

123.9411, 180.7784

137.8796,
156.2406, 223.2060

■ 8.2277, 10.4300,
21.3182

■ 8.2277, 10.4300,
21.3182

■ 8.2276, 10.4297,
21.3184

■ 8.6484, 11.0332,
21.4127

■ 9.1630, 11.6975,
21.5138

■ 9.8268, 12.4516,
21.6243

■ 10.6565, 13.3043,
21.7452

■ 11.6665, 14.2631,
21.8770

■ 12.8698, 15.3349,
22.0205

■ 14.2778, 16.5256,
22.1761

■ 15.9013, 17.8409,
22.3444

■ 17.7501, 19.2860,
22.5259

Harmonies

Analogous

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



7.2538, 10.4300, 16.2558



8.2277, 10.4300, 21.3182



9.7522, 10.4300, 23.6818

Triad

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



8.2277, 10.4300, 21.3182



13.5958, 10.4300, 11.8270



8.4781, 10.4300, 4.8447

Complementary

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



8.2277, 10.4300, 21.3182



8.9966, 5.2202, 0.5338

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.



10.0764, 10.4300, 4.2816



8.2277, 10.4300, 21.3182



13.1546, 10.4300, 7.5561

Square

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



8.2277, 10.4300, 21.3182



12.9598, 10.4300, 17.2985



11.8149, 10.4300, 5.1126



7.3862, 10.4300, 6.9598

Rectangle

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



8.2277, 10.4300, 21.3182



10.9230, 10.4300, 23.0163



11.8149, 10.4300, 5.1126



8.9680, 10.4300, 4.5000

Sweetspot

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



8.2281, 10.4304, 21.3185



24.9429, 28.9319, 39.0141



7.6389, 14.9931, 3.4231



5.4723, 6.4127, 8.8524



60.6688, 63.8283, 69.5090



7.9400, 8.3535, 9.0970

Same Dimension

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



8.2281, 10.4304, 21.3185



14.3774, 18.1487, 37.4896



4.4532, 2.8806, 20.0602



4.3707, 4.7354, 5.4969



8.4375, 10.6935, 21.8693



0.0000, 0.0000, 0.0000

Inverse Universe

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



10.8566, 5.3368, 12.2626



19.0564, 9.3721, 21.3046



12.1109, 11.4488, 1.5719



4.4599, 4.3971, 5.2265



11.1358, 5.4740, 12.5710



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 8.2277, 10.4300, 21.3182 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 8.2277, 10.4300, 21.3182 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

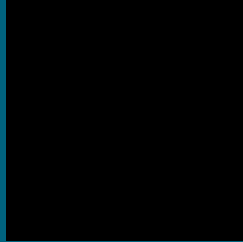
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 8.2277, 10.4300, 21.3182

Background



This preview shows how black text looks on a background with the XYZ color 8.2277, 10.4300, 21.3182.

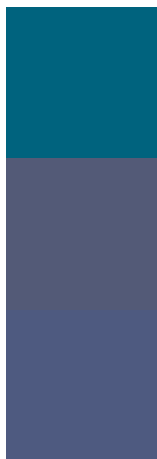


This preview shows how white text looks on a background with the XYZ color 8.2277, 10.4300,

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

8.2277, 10.4300, 21.3182

Protanopia

10.5532, 10.4832, 18.9200

Deuteranopia

10.6943, 10.4905, 21.8833



Tritanopia

7.4140, 10.4115, 16.0869

Trichromacy



Original Color

8.2277, 10.4300, 21.3182

Protanomaly

8.8954, 9.9907, 19.8719

Deuteranomaly

9.0605, 10.0391, 21.5389

Tritanomaly

7.6517, 10.3521, 17.8145

Monochromacy



Original Color

8.2277, 10.4300, 21.3182

Achromatopsia

6.1596, 6.4803, 7.0571

Achromatomaly

6.0758, 7.3881, 11.2310

CSS Examples

Text

The CSS property to change the color of the text to XYZ 8.2277, 10.4300, 21.3182 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, 126)` looks like.

```
.text, #text, p{  
    color:rgb(0, 99, 126)  
}
```

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, 126) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 99, 126) }
```

Border

The CSS property to change the border of an element to XYZ 8.2277, 10.4300, 21.3182 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, 126) }
```


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

```
.border{ border-color:rgb(0, 99, 126) }
```

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, 126)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 99, 126); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 99, 126);  
box-shadow:4px 4px 4px 4px rgb(0, 99, 126)  
}
```

Background

The CSS property to change the background color of an element to XYZ 8.2277, 10.4300, 21.3182 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, 126) }
```

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

```
.background{ background-color: rgb(0, 99,  
126) }
```

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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