

Converting Colors

XYZ(7.2649, 12.9090, 23.3802)

Have a look what the booklet for
XYZ(7.2649, 12.9090, 23.3802)
contains.

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Color

**XYZ(10.5077, 14.5686,
23.3773)**

Conversions

Conversions Part 1

Format	Color
Hex	007682
RGB	0, 118, 130
RGB Percent	0%, 46%, 51%
CMY	0.9999, 0.5372, 0.4902
CMYK	1.00, 0.09, 0.00, 0.49
HSL	186°, 100%, 25%
HSV	186°, 100%, 51%
XYZ	10.5077, 14.5686, 23.3773
YIQ	84.0860, -74.1800, -21.2840

Conversions

Conversions Part 2

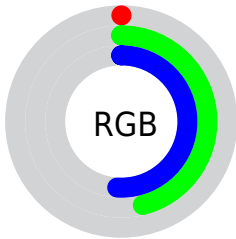
Format	Color
RYB	0, 62, 130
Decimal	30338
CIELab	45.04, -23.12, -14.52
CIELCh	45, 27.304, 212.132
Yxy	14.5686, 0.2169, 0.3007
Android (android.graphics.Color)	4278220418 (0xFF007682)
YUV	84.0860, 22.6356, -73.7434
Hunter-Lab	38.1688, -17.6553, -9.5952

Details

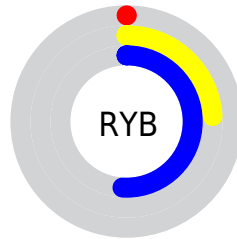
The XYZ color **10.5077, 14.5686, 23.3773** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **9.3378, 5.0092, 0.4752**, and the grayscale version is **8.4114, 8.8495, 9.6371**.

A 20% lighter version of the original color is **26.5035, 34.2940, 50.0223**, and **3.6133, 4.8503, 8.5303** is the 20% darker color. If you saturate the color by 10%, you get **10.5078, 14.5687, 23.3776**, and if you desaturate by 10%, it is **10.8164, 14.9392, 23.4328**.

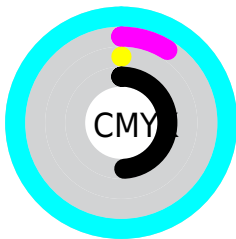
Distribution



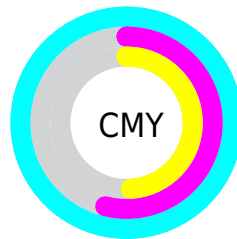
- Red (0%)
- Green (46%)
- Blue (51%)



- Red (0%)
- Yellow (24%)
- Blue (51%)



- Cyan (100%)
- Magenta (9%)
- Yellow (0%)
- Black (49%)



- Cyan (100%)
- Magenta (54%)
- Yellow (49%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 10.5077, 14.5686, 23.3773 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 10.5077, 14.5686, 23.3773 by changing the saturation by 10% instead.

■ 10.5077, 14.5686,
23.3773

■ 10.5077, 14.5686,
23.3773

188.2371,
220.7400, 282.8415

■ 5.8017, 8.5172,
14.6644

■ 26.3873, 34.0946,
49.9431

■ 2.7644, 4.4276,
8.4402

■ 38.2915, 48.3379,
68.6332

■ 1.0304, 1.9155,
4.2861

■ 53.3259, 66.0807,
91.4861

■ 0.0000, 0.5577,
1.7836

■ 71.8557, 87.7073,
118.9203

■ 0.0000, 0.0000,
0.4171

■ 94.2464, 113.6022,
151.3544

■ 0.0000, 0.0000,
0.0000

■ 120.8633,

144.1496, 189.2069

152.0718,
179.7341, 232.8964

■ 10.5077, 14.5686,
23.3773

■ 10.5077, 14.5686,
23.3773

■ 10.5078, 14.5687,
23.3776

■ 10.8164, 14.9392,
23.4328

■ 11.2206, 15.3614,
23.4930

■ 11.7774, 15.8649,
23.5609

■ 12.5047, 16.4591,
23.6372

■ 13.4183, 17.1519,
23.7228

■ 14.5318, 17.9506,
23.8183

■ 15.8577, 18.8615,
23.9242

■ 17.4075, 19.8905,
24.0412

■ 19.1919, 21.0432,
24.1696

Harmonies

Analogous

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



9.9702, 14.5686, 16.3264



10.5077, 14.5686, 23.3773



11.9280, 14.5686, 29.4722

Triad

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



10.5077, 14.5686, 23.3773



18.0185, 14.5686, 22.3623



13.6873, 14.5686, 6.4471

Complementary

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



10.5077, 14.5686, 23.3773



9.3378, 5.0092, 0.4752

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.



15.9615, 14.5686, 7.2600



10.5077, 14.5686, 23.3773



18.6174, 14.5686, 15.4079

Square

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



10.5077, 14.5686, 23.3773



16.2688, 14.5686, 28.7836



17.8280, 14.5686, 10.1605



11.6783, 14.5686, 7.5362

Rectangle

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



10.5077, 14.5686, 23.3773



13.2652, 14.5686, 31.5057



17.8280, 14.5686, 10.1605



14.4456, 14.5686, 6.5063

Sweetspot

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



10.5082, 14.5691, 23.3777



27.7523, 33.0986, 42.1185



8.0425, 15.9894, 2.9744



6.0885, 7.3603, 9.5181



62.3462, 65.5931, 71.4309



8.4577, 8.8982, 9.6901

Same Dimension

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



10.5082, 14.5691, 23.3777



18.4485, 25.5437, 41.1506



5.3569, 4.2666, 21.6606



4.4136, 4.8212, 5.5112



10.0778, 13.9741, 22.4161



0.0000, 0.0000, 0.0000

Inverse Universe

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



12.4763, 6.0543, 17.6511



21.9427, 10.6499, 30.9341



11.7796, 9.8928, 1.2891



4.4816, 4.4058, 5.3405



11.9638, 5.8052, 16.9309



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 10.5077, 14.5686, 23.3773 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 10.5077, 14.5686, 23.3773 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

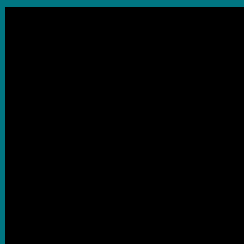
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 10.5077, 14.5686, 23.3773

Background



This preview shows how black text looks on a background with the XYZ color 10.5077, 14.5686, 23.3773.

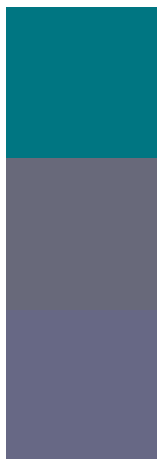


This preview shows how white text looks on a background with the XYZ color 10.5077, 14.5686,

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

10.5077, 14.5686, 23.3773

Protanopia

14.2733, 14.4513, 20.4495

Deuteranopia

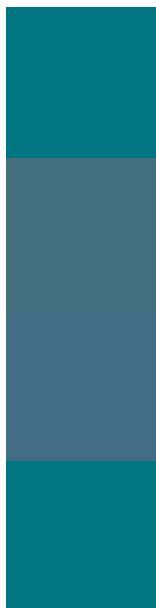
14.7775, 14.4776, 24.2059



Tritanopia

10.3747, 14.5154, 22.6770

Trichromacy



Original Color

10.5077, 14.5686, 23.3773

Protanomaly

11.5244, 13.7908, 21.4565

Deuteranomaly

11.8803, 13.7615, 23.8599

Tritanomaly

10.4409, 14.5418, 23.0254

Monochromacy



Original Color

10.5077, 14.5686, 23.3773

Achromatopsia

8.4267, 8.8656, 9.6546

Achromatomaly

8.0000, 10.0622, 13.8325

CSS Examples

Text

The CSS property to change the color of the text to XYZ 10.5077, 14.5686, 23.3773 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, 118, 130)` looks like.

```
.text, #text, p{  
    color:rgb(0, 118, 130)  
}
```

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, 118, 130) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 118, 130) }
```

Border

The CSS property to change the border of an element to XYZ 10.5077, 14.5686, 23.3773 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, 118, 130) }
```


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

```
.border{ border-color:rgb(0, 118, 130) }
```

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

Here you see how a box with a 4 pixel rgb(0, 118, 130) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 118, 130); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 118, 130);  
box-shadow:4px 4px 4px 4px rgb(0, 118,  
130) }
```

Background

The CSS property to change the background color of an element to XYZ 10.5077, 14.5686, 23.3773 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 118, 130) }
```

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

```
.background{ background-color: rgb(0, 118,  
130) }
```

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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