

Converting Colors

XYZ(8.7572, 13.3600, 25.9624)

Have a look what the booklet for
XYZ(8.7572, 13.3600, 25.9624)
contains.

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Color

**XYZ(10.8766, 14.5287,
25.8980)**

Conversions

Conversions Part 1

Format	Color
Hex	007589
RGB	0, 117, 137
RGB Percent	0%, 46%, 54%
CMY	0.9999, 0.5412, 0.4627
CMYK	1.00, 0.15, 0.00, 0.46
HSL	189°, 100%, 27%
HSV	189°, 100%, 54%
XYZ	10.8766, 14.5287, 25.8980
YIQ	84.2970, -76.1520, -18.5840

Conversions

Conversions Part 2

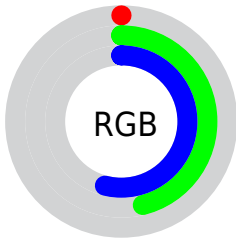
Format	Color
RYB	0, 63, 137
Decimal	30089
CIELab	44.98, -20.11, -18.78
CIELCh	45, 27.509, 223.043
Yxy	14.5287, 0.2120, 0.2832
Android (android.graphics.Color)	4278220169 (0xFF007589)
YUV	84.2970, 25.9826, -73.9285
Hunter-Lab	38.1165, -15.7687, -13.6026

Details

The XYZ color **10.8766, 14.5287, 25.8980** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **10.5671, 5.8193, 0.5667**, and the grayscale version is **8.4485, 8.8885, 9.6795**.

A 20% lighter version of the original color is **26.9619, 33.8875, 53.8351**, and **3.7874, 4.8224, 9.7480** is the 20% darker color. If you saturate the color by 10%, you get **10.8766, 14.5286, 25.8983**, and if you desaturate by 10%, it is **11.2892, 15.0913, 25.9851**.

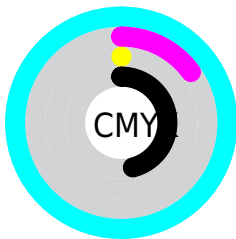
Distribution



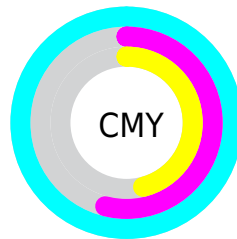
- Red (0%)
- Green (46%)
- Blue (54%)



- Red (0%)
- Yellow (25%)
- Blue (54%)



- Cyan (100%)
- Magenta (15%)
- Yellow (0%)
- Black (46%)



- Cyan (100%)
- Magenta (54%)
- Yellow (46%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 10.8766, 14.5287, 25.8980 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 10.8766, 14.5287, 25.8980 by changing the saturation by 10% instead.

■ 10.8766, 14.5287,
25.8980

■ 10.8766, 14.5287,
25.8980

190.7448,
220.4956, 295.8705

■ 6.0506, 8.4893,
16.5223

■ 27.0667, 34.0242,
54.0924

■ 2.9168, 4.4096,
9.7361

■ 39.1616, 48.2491,
73.7482

■ 1.1099, 1.9052,
5.1210

■ 54.4101, 65.9713,
97.6677

■ 0.0334, 0.5515,
2.2585

■ 73.1776, 87.5752,
126.2695

■ 0.0000, 0.0000,
0.7078

■ 95.8294, 113.4452,
159.9722

■ 0.0000, 0.0000,
0.0000

■ 122.7310,

143.9657, 199.1942

154.2477,
179.5210, 244.3541

■ 10.8766, 14.5287,
25.8980

■ 10.8766, 14.5287,
25.8980

■ 10.8766, 14.5286,
25.8983

■ 11.2892, 15.0913,
25.9851

■ 11.8161, 15.7201,
26.0787

■ 12.5177, 16.4464,
26.1819

■ 13.4147, 17.2810,
26.2957

■ 14.5251, 18.2331,
26.4210

■ 15.8644, 19.3108,
26.5584

■ 17.4470, 20.5217,
26.7087

■ 19.2860, 21.8724,
26.8725

■ 21.3934, 23.3692,
27.0504

Harmonies

Analogous

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



10.0013, 14.5287, 18.7902



10.8766, 14.5287, 25.8980



12.5828, 14.5287, 30.9168

Triad

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



10.8766, 14.5287, 25.8980



18.3852, 14.5287, 19.7242



12.8536, 14.5287, 6.5440

Complementary

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



10.8766, 14.5287, 25.8980



10.5671, 5.8193, 0.5667

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.



15.1126, 14.5287, 6.6667



10.8766, 14.5287, 25.8980



18.4782, 14.5287, 13.1793

Square

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



10.8766, 14.5287, 25.8980



16.9848, 14.5287, 26.7400



17.2263, 14.5287, 8.7676



11.0562, 14.5287, 8.3691

Rectangle

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



10.8766, 14.5287, 25.8980



14.0405, 14.5287, 31.7405



17.2263, 14.5287, 8.7676



13.5802, 14.5287, 6.3773

Sweetspot

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



10.8771, 14.5292, 25.8984



31.0392, 36.5965, 47.8111



9.0574, 17.9362, 3.5690



6.7218, 8.0267, 10.7014



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.



10.8771, 14.5292, 25.8984



19.3860, 25.8340, 46.3479



5.6666, 4.1083, 24.1615



5.1117, 5.5663, 6.4108



10.1381, 13.5465, 24.1261



0.0752, 0.1057, 0.1629

Inverse Universe

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



13.5278, 6.6031, 17.3917



24.1786, 11.8057, 30.8994



13.7066, 12.0981, 1.6132



5.2030, 5.1166, 6.1574



12.6041, 6.1517, 16.2171



0.0877, 0.0425, 0.1286

Previews

White Background



This preview shows how the XYZ color 10.8766, 14.5287, 25.8980 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 10.8766, 14.5287, 25.8980 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

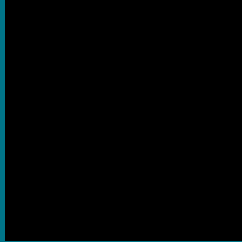
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 10.8766, 14.5287, 25.8980

Background



This preview shows how black text looks on a background with the XYZ color 10.8766, 14.5287, 25.8980.

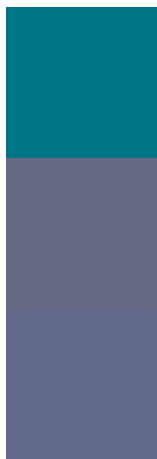


This preview shows how white text looks on a background with the XYZ color 10.8766, 14.5287,

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

10.8766, 14.5287, 25.8980

Protanopia

14.3809, 14.4548, 22.8010

Deuteranopia

14.7209, 14.3907, 26.8128



Tritanopia

10.3092, 14.4892, 22.3320

Trichromacy



Original Color

10.8766, 14.5287, 25.8980

Protanomaly

11.7478, 13.6932, 23.8537

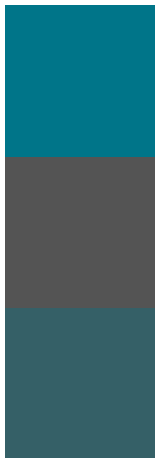
Deuteranomaly

12.1154, 13.8255, 26.4561

Tritanomaly

10.5752, 14.5956, 23.7326

Monochromacy



Original Color

10.8766, 14.5287, 25.8980

Achromatopsia

8.4267, 8.8656, 9.6546

Achromatomaly

8.0993, 10.1019, 14.3549

CSS Examples

Text

The CSS property to change the color of the text to XYZ 10.8766, 14.5287, 25.8980 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, 117, 137)` looks like.

```
.text, #text, p{  
    color:rgb(0, 117, 137)  
}
```

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, 117, 137) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 117, 137) }
```

Border

The CSS property to change the border of an element to XYZ 10.8766, 14.5287, 25.8980 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, 117, 137) }
```


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

```
.border{ border-color:rgb(0, 117, 137) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 117, 137)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 117, 137); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 117, 137);  
box-shadow:4px 4px 4px 4px rgb(0, 117,  
137) }
```

Background

The CSS property to change the background color of an element to XYZ 10.8766, 14.5287, 25.8980 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 117, 137) }
```

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

```
.background{ background-color: rgb(0, 117,  
137) }
```

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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