

Converting Colors

XYZ(12.7630, 17.9226, 27.6944)

Have a look what the booklet for
XYZ(12.7630, 17.9226, 27.6944)
contains.

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Color

**XYZ(12.7163, 17.8587,
27.5878)**

Conversions

Conversions Part 1

Format	Color
Hex	00828C
RGB	0, 130, 140
RGB Percent	0%, 51%, 55%
CMY	0.9999, 0.4902, 0.4510
CMYK	1.00, 0.07, 0.00, 0.45
HSL	184°, 100%, 27%
HSV	184°, 100%, 55%
XYZ	12.7163, 17.8587, 27.5878
YIQ	92.2700, -80.6900, -24.4500

Conversions

Conversions Part 2

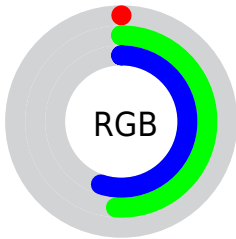
Format	Color
RYB	0, 67, 140
Decimal	33420
CIELab	49.32, -25.84, -13.93
CIELCh	49, 29.357, 208.322
Yxy	17.8587, 0.2186, 0.3070
Android (android.graphics.Color)	4278223500 (0xFF00828C)
YUV	92.2700, 23.5309, -80.9208
Hunter-Lab	42.2596, -20.2419, -9.1239

Details

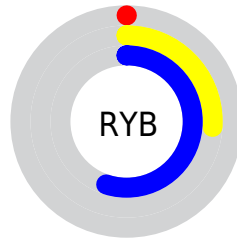
The XYZ color **12.7163, 17.8587, 27.5878** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **10.9243, 5.7932, 0.5432**, and the grayscale version is **10.1976, 10.7287, 11.6835**.

A 20% lighter version of the original color is **30.4174, 39.6933, 57.0973**, and **4.7141, 6.4755, 10.6743** is the 20% darker color. If you saturate the color by 10%, you get **12.7163, 17.8587, 27.5881**, and if you desaturate by 10%, it is **13.0317, 18.2201, 27.6413**.

Distribution



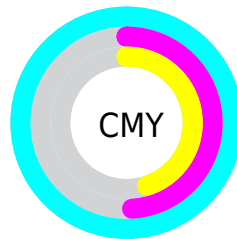
- Red (0%)
- Green (51%)
- Blue (55%)



- Red (0%)
- Yellow (26%)
- Blue (55%)



- Cyan (100%)
- Magenta (7%)
- Yellow (0%)
- Black (45%)



- Cyan (100%)
- Magenta (49%)
- Yellow (45%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.7163, 17.8587, 27.5878 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 12.7163, 17.8587, 27.5878 by changing the saturation by 10% instead.

12.7163, 17.8587,
27.5878

12.7163, 17.8587,
27.5878

202.7659,
240.0734, 304.3417

7.3091, 10.8486,
17.7788

30.3988, 39.7964,
56.8408

3.7042, 5.9651,
10.6235

43.4049, 55.4928,
77.1220

1.5362, 2.8239,
5.7033

59.6746, 74.8534,
101.7309

0.3503, 1.0405,
2.5997

79.5734, 98.2626,
131.0862

0.0000, 0.0000,
0.8923

103.4666,
126.1048, 165.6064

0.0000, 0.0000,
0.0000

131.7195,

158.7644, 205.7100

164.6975,
196.6258, 251.8156

■ 12.7163, 17.8587,
27.5878

■ 12.7163, 17.8587,
27.5878

■ 12.7163, 17.8587,
27.5881

■ 13.0317, 18.2201,
27.6413

■ 13.4648, 18.6438,
27.7002

■ 14.0774, 19.1619,
27.7679

■ 14.8914, 19.7857,
27.8455

■ 15.9256, 20.5251,
27.9337

■ 17.1967, 21.3885,
28.0333

■ 18.7195, 22.3836,
28.1451

■ 20.5079, 23.5176,
28.2698

■ 22.5747, 24.7971,
28.4078

Harmonies

Analogous

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



12.2011, 17.8587, 19.0033



12.7163, 17.8587, 27.5878



14.3359, 17.8587, 35.4676

Triad

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



12.7163, 17.8587, 27.5878



21.9052, 17.8587, 28.5728



17.1301, 17.8587, 7.8623

Complementary

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



12.7163, 17.8587, 27.5878



10.9243, 5.7932, 0.5432

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.



19.9177, 17.8587, 9.1633



12.7163, 17.8587, 27.5878



22.8534, 17.8587, 19.8937

Square

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



12.7163, 17.8587, 27.5878



19.6197, 17.8587, 36.1363



22.0899, 17.8587, 13.0865



14.5778, 17.8587, 8.8963

Rectangle

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



12.7163, 17.8587, 27.5878



15.9221, 17.8587, 38.4600



22.0899, 17.8587, 13.0865



18.0716, 17.8587, 8.0321

Sweetspot

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



12.7169, 17.8593, 27.5882



32.8143, 39.3414, 49.6071



9.4298, 18.7771, 3.3960



7.3210, 8.9095, 11.4133



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.



12.7169, 17.8593, 27.5882



22.3698, 31.3866, 48.6222



6.3858, 5.1972, 25.4779



5.1428, 5.6285, 6.4212



11.3049, 15.8800, 24.5150



0.0793, 0.1140, 0.1643

Inverse Universe

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



14.8450, 7.1878, 21.7247



26.1465, 12.6613, 38.1686



13.6364, 11.2174, 1.4472



5.2187, 5.1229, 6.2401



13.1930, 6.3873, 19.3183



0.0898, 0.0433, 0.1396

Previews

White Background



This preview shows how the XYZ color 12.7163, 17.8587, 27.5878 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 12.7163, 17.8587, 27.5878 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

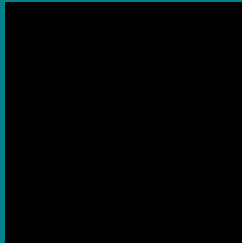
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 12.7163, 17.8587, 27.5878

Background



This preview shows how black text looks on a background with the XYZ color 12.7163, 17.8587, 27.5878.

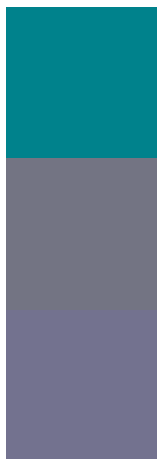


This preview shows how white text looks on a background with the XYZ color 12.7163, 17.8587,

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

12.7163, 17.8587, 27.5878

Protanopia

17.4124, 17.7743, 23.9858

Deuteranopia

18.0455, 17.6626, 28.4447



Tritanopia

12.7914, 17.8974, 27.5913

Trichromacy



Original Color

12.7163, 17.8587, 27.5878

Protanomaly

13.8881, 16.8124, 25.0674

Deuteranomaly

14.3466, 16.8024, 28.0782

Tritanomaly

12.7663, 17.8845, 27.5901

Monochromacy



Original Color

12.7163, 17.8587, 27.5878

Achromatopsia

10.1725, 10.7023, 11.6548

Achromatomaly

9.7180, 12.3420, 16.3381

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.7163, 17.8587, 27.5878 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, 130, 140)` looks like.

```
.text, #text, p{  
    color:rgb(0, 130, 140)  
}
```

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, 130, 140) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 130, 140) }
```

Border

The CSS property to change the border of an element to XYZ 12.7163, 17.8587, 27.5878 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, 130, 140) }
```


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

```
.border{ border-color:rgb(0, 130, 140) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 130, 140)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 130, 140); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 130, 140);  
box-shadow:4px 4px 4px 4px rgb(0, 130,  
140) }
```

Background

The CSS property to change the background color of an element to XYZ 12.7163, 17.8587, 27.5878 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 130, 140) }
```

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

```
.background{ background-color: rgb(0, 130,  
140) }
```

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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