

Converting Colors

XYZ(12.6290, 17.4290, 22.8841)

Have a look what the booklet for
XYZ(12.6290, 17.4290, 22.8841)
contains.

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Color

**XYZ(12.6767, 17.5515,
22.7983)**

Conversions

Conversions Part 1

Format	Color
Hex	2E807F
RGB	46, 128, 127
RGB Percent	18%, 50%, 50%
CMY	0.8196, 0.4980, 0.5020
CMYK	0.64, 0.00, 0.01, 0.50
HSL	179°, 47%, 34%
HSV	179°, 64%, 50%
XYZ	12.6767, 17.5515, 22.7983
YIQ	103.3680, -48.5510, -17.6950

Conversions

Conversions Part 2

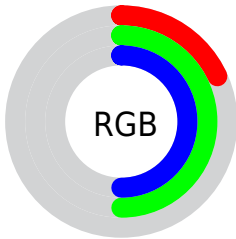
Format	Color
RYB	46, 87, 128
Decimal	3047551
CIELab	48.95, -24.48, -6.78
CIELCh	49, 25.407, 195.485
Yxy	17.5515, 0.2391, 0.3310
Android (android.graphics.Color)	4281237631 (0xFF2E807F)
YUV	103.3680, 11.6506, -50.3117
Hunter-Lab	41.8945, -19.3038, -2.9385

Details

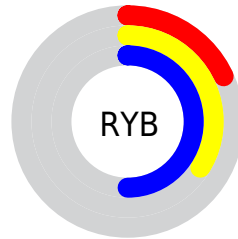
The XYZ color **12.6767, 17.5515, 22.7983** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **10.3928, 6.7491, 3.4450**, and the grayscale version is **12.9695, 13.6450, 14.8594**.

A 20% lighter version of the original color is **30.3556, 39.2266, 49.1516**, and **4.0995, 5.9988, 8.1496** is the 20% darker color. If you saturate the color by 10%, you get **12.1739, 17.2939, 22.7220**, and if you desaturate by 10%, it is **13.3526, 17.8992, 22.8835**.

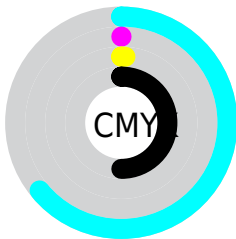
Distribution



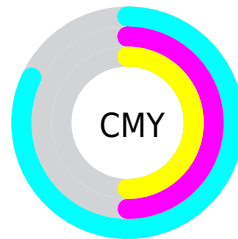
- Red (18%)
- Green (50%)
- Blue (50%)



- Red (18%)
- Yellow (34%)
- Blue (50%)



- Cyan (64%)
- Magenta (0%)
- Yellow (1%)
- Black (50%)



- Cyan (82%)
- Magenta (50%)
- Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.6767, 17.5515, 22.7983 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 12.6767, 17.5515, 22.7983 by changing the saturation by 10% instead.

■ 12.6767, 17.5515,
22.7983

■ 12.6767, 17.5515,
22.7983

■ 202.5149,
238.3308, 279.7756

■ 7.2818, 10.6285,
14.2407

■ 30.3280, 39.2716,
48.9809

■ 3.6868, 5.8176,
8.1476

■ 43.3151, 54.8374,
67.4431

■ 1.5265, 2.7345,
4.1004

■ 59.5636, 74.0530,
90.0438

■ 0.3438, 0.9947,
1.6806

■ 79.4389, 97.3028,
117.2017

■ 0.0000, 0.0000,
0.3474

■ 103.3063,
124.9710, 149.3353

■ 0.0000, 0.0000,
0.0000

■ 131.5312,

157.4421, 186.8631

164.4790,
195.1006, 230.2037

■ 12.6767, 17.5515,
22.7983

■ 12.6767, 17.5515,
22.7983

■ 12.1739, 17.2939,
22.7220

■ 13.3526, 17.8992,
22.8835

■ 11.8267, 17.1161,
22.6527

■ 14.2139, 18.3420,
22.9771

■ 11.6150, 17.0081,
22.5898

■ 15.2735, 18.8871,
23.0801

■ 11.5137, 16.9566,
22.5537

■ 16.5429, 19.5403,
23.1930

■ 18.0326, 20.3071,
23.3163

■ 19.7525, 21.1925,
23.4504

■ 21.7116, 22.2013,
23.5958

■ 23.9188, 23.3380,
23.7529

■ 26.3824, 24.6068,
23.9220

Harmonies

Analogous

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



12.6601, 17.5515, 16.0323



12.6767, 17.5515, 22.7983



13.6961, 17.5515, 29.9679

Triad

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



12.6767, 17.5515, 22.7983



20.1351, 17.5515, 29.7580



17.8466, 17.5515, 9.0812

Complementary

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



12.6767, 17.5515, 22.7983



10.3928, 6.7491, 3.4450

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.



20.0735, 17.5515, 11.2547



12.6767, 17.5515, 22.7983



21.4769, 17.5515, 22.5597

Square

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



12.6767, 17.5515, 22.7983



17.9245, 17.5515, 34.5872



21.4533, 17.5515, 15.8437



15.4986, 17.5515, 9.1160

Rectangle

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



12.6767, 17.5515, 22.7983



14.8677, 17.5515, 33.5574



21.4533, 17.5515, 15.8437



18.6386, 17.5515, 9.5503

Sweetspot

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



12.6772, 17.5522, 22.7987



30.2883, 35.0011, 40.9315



9.4022, 16.2494, 5.2263



6.9453, 8.1196, 9.5710



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.



12.6772, 17.5522, 22.7987



21.1128, 30.2833, 39.9453



8.5436, 9.1800, 21.7444



4.4442, 4.8860, 5.5106



11.4163, 16.8131, 22.3630



0.0000, 0.0000, 0.0000

Inverse Universe

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



10.3928, 6.7491, 3.4450



16.7482, 9.6251, 2.9542



12.6945, 11.3844, 4.1137



4.3297, 4.3450, 4.5409



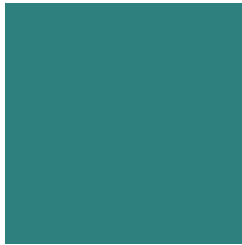
8.8356, 4.5539, 0.4580



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 12.6767, 17.5515, 22.7983 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 12.6767, 17.5515, 22.7983 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

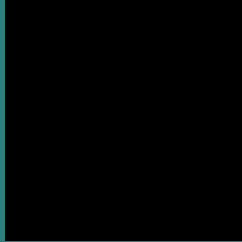
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 12.6767, 17.5515, 22.7983

Background



This preview shows how black text looks on a background with the XYZ color 12.6767, 17.5515, 22.7983.



This preview shows how white text looks on a background with the XYZ color 12.6767, 17.5515,

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

12.6767, 17.5515, 22.7983

Protanopia

16.7966, 17.3753, 19.9213

Deuteranopia

17.6801, 17.4150, 23.5487



Tritanopia

13.4700, 17.6887, 26.3712

Trichromacy



Original Color

12.6767, 17.5515, 22.7983

Protanomaly

14.5437, 17.0622, 20.9392

Deuteranomaly

14.9551, 16.8690, 23.2367

Tritanomaly

13.0896, 17.5252, 24.8831

Monochromacy



Original Color

12.6767, 17.5515, 22.7983

Achromatopsia

12.8919, 13.5633, 14.7705

Achromatomaly

12.1985, 14.5520, 17.4951

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.6767, 17.5515, 22.7983 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(46, 128, 127)` looks like.

```
.text, #text, p{  
  color:rgb(46, 128, 127)  
}
```

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(46, 128, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(46, 128, 127) }
```

Border

The CSS property to change the border of an element to XYZ 12.6767, 17.5515, 22.7983 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(46, 128, 127) }
```


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

```
.border{ border-color:rgb(46, 128, 127) }
```

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

Here you see how a box with a 4 pixel rgb(46, 128, 127) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(46, 128, 127); -webkit-box-  
shadow:4px 4px 4px 4px rgb(46, 128, 127);  
box-shadow:4px 4px 4px 4px rgb(46, 128,  
127) }
```

Background

The CSS property to change the background color of an element to XYZ 12.6767, 17.5515, 22.7983 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(46, 128, 127) }
```

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

```
.background{ background-color: rgb(46, 128,  
127) }
```

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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