

Converting Colors

XYZ(12.2852, 16.6420, 27.4568)

Have a look what the booklet for
XYZ(12.2852, 16.6420, 27.4568)
contains.

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Color

**XYZ(12.2984, 16.6799,
27.3823)**

Conversions

Conversions Part 1

Format	Color
Hex	117D8C
RGB	17, 125, 140
RGB Percent	7%, 49%, 55%
CMY	0.9333, 0.5098, 0.4510
CMYK	0.88, 0.11, 0.00, 0.45
HSL	187°, 78%, 31%
HSV	187°, 88%, 55%
XYZ	12.2984, 16.6799, 27.3823
YIQ	94.4180, -69.1830, -18.2310

Conversions

Conversions Part 2

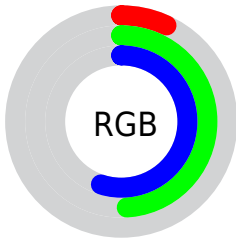
Format	Color
RYB	17, 75, 140
Decimal	1146252
CIELab	47.85, -22.34, -16.15
CIELCh	48, 27.564, 215.861
Yxy	16.6799, 0.2182, 0.2959
Android (android.graphics.Color)	4279336332 (0xFF117D8C)
YUV	94.4180, 22.4719, -67.8956
Hunter-Lab	40.8410, -17.7204, -11.1629

Details

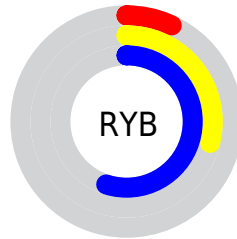
The XYZ color **12.2984, 16.6799, 27.3823** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **11.4334, 6.6496, 1.2117**, and the grayscale version is **10.6995, 11.2567, 12.2585**.

A 20% lighter version of the original color is **29.6825, 37.8105, 56.7727**, and **4.4299, 5.9071, 10.5796** is the 20% darker color. If you saturate the color by 10%, you get **11.8910, 16.1521, 27.3022**, and if you desaturate by 10%, it is **12.8510, 17.2887, 27.4710**.

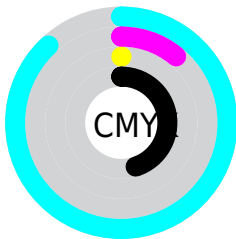
Distribution



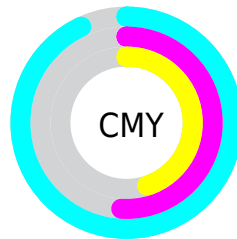
- Red (7%)
- Green (49%)
- Blue (55%)



- Red (7%)
- Yellow (29%)
- Blue (55%)



- Cyan (88%)
- Magenta (11%)
- Yellow (0%)
- Black (45%)



- Cyan (93%)
- Magenta (51%)
- Yellow (45%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.2984, 16.6799, 27.3823 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 12.2984, 16.6799, 27.3823 by changing the saturation by 10% instead.

■ 12.2984, 16.6799,
27.3823

■ 12.2984, 16.6799,
27.3823

■ 200.1007,
233.3209, 303.3219

■ 7.0209, 10.0065,
17.6256

■ 29.6496, 37.7746,
56.5079

■ 3.5216, 5.4033,
10.5149

■ 42.4540, 52.9647,
76.7139

■ 1.4352, 2.4858,
5.6316

■ 58.4980, 71.7625,
101.2400

■ 0.2811, 0.8695,
2.5572

■ 78.1471, 94.5524,
130.5048

■ 0.0000, 0.0000,
0.8703

■ 101.7665,
121.7188, 164.9269

■ 0.0000, 0.0000,
0.0000

■ 129.7217,

153.6461, 204.9247

162.3780,
190.7187, 250.9169

■ 12.2984, 16.6799,
27.3823

■ 12.2984, 16.6799,
27.3823

■ 11.8910, 16.1521,
27.3022

■ 12.8510, 17.2887,
27.4710

■ 11.8077, 16.0414,
27.2852

■ 13.5900, 17.9989,
27.5691

■ 14.5372, 18.8219,
27.6781

■ 15.7107, 19.7672,
27.7987

■ 17.1268, 20.8432,
27.9317

■ 18.8002, 22.0576,
28.0779

■ 20.7445, 23.4172,
28.2379

■ 22.9724, 24.9287,
28.4122

■ 25.4955, 26.5981,
28.6015

Harmonies

Analogous

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



11.5719, 16.6799, 19.5906



12.2984, 16.6799, 27.3823



13.9846, 16.6799, 33.6706

Triad

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



12.2984, 16.6799, 27.3823



20.6097, 16.6799, 24.3307



15.3723, 16.6799, 7.6909

Complementary

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



12.2984, 16.6799, 27.3823



11.4334, 6.6496, 1.2117

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.



17.8824, 16.6799, 8.3408



12.2984, 16.6799, 27.3823



21.0796, 16.6799, 16.8038

Square

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



12.2984, 16.6799, 27.3823



18.8110, 16.6799, 31.6117



20.0357, 16.6799, 11.2850



13.2239, 16.6799, 9.1978

Rectangle

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



12.2984, 16.6799, 27.3823



15.5125, 16.6799, 35.4474



20.0357, 16.6799, 11.2850



16.2000, 16.6799, 7.6707

Sweetspot

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



12.2989, 16.6805, 27.3827



33.5637, 39.1852, 49.5375



9.8617, 18.9765, 4.4644



7.5117, 8.8709, 11.3958



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.



12.2989, 16.6805, 27.3827



20.7387, 28.1244, 48.0785



6.8073, 5.6973, 25.5522



5.1217, 5.5863, 6.4142



10.5010, 14.2724, 24.2471



0.0765, 0.1084, 0.1633

Inverse Universe

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



14.7178, 7.4575, 20.0665



25.3232, 12.3320, 33.8331



14.8183, 13.4193, 2.3400



5.2080, 5.1187, 6.1840



12.7872, 6.2250, 17.1818



0.0884, 0.0427, 0.1322

Previews

White Background



This preview shows how the XYZ color 12.2984, 16.6799, 27.3823 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 12.2984, 16.6799, 27.3823 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 12.2984, 16.6799, 27.3823

Background



This preview shows how black text looks on a background with the XYZ color 12.2984, 16.6799, 27.3823.

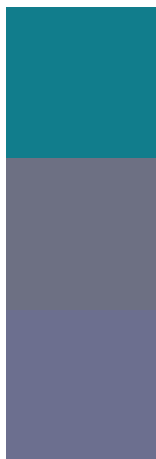


This preview shows how white text looks on a background with the XYZ color 12.2984, 16.6799,

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

12.2984, 16.6799, 27.3823

Protanopia

16.1976, 16.4782, 23.7996

Deuteranopia

16.8267, 16.5402, 28.2923



Tritanopia

11.9549, 16.7251, 25.8907

Trichromacy



Original Color

12.2984, 16.6799, 27.3823

Protanomaly

13.6449, 15.9803, 24.9196

Deuteranomaly

14.0295, 15.9396, 27.9284

Tritanomaly

12.0889, 16.7859, 26.2698

Monochromacy



Original Color

12.2984, 16.6799, 27.3823

Achromatopsia

10.6392, 11.1932, 12.1894

Achromatomaly

10.1676, 12.4091, 16.8982

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.2984, 16.6799, 27.3823 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(17, 125, 140)` looks like.

```
.text, #text, p{  
    color:rgb(17, 125, 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(17, 125, 140) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(17, 125, 140) }
```

Border

The CSS property to change the border of an element to XYZ 12.2984, 16.6799, 27.3823 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(17, 125, 140) }
```


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

```
.border{ border-color:rgb(17, 125, 140) }
```

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

Here you see how a box with a 4 pixel `rgb(17, 125, 140)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(17, 125, 140); -webkit-box-  
shadow:4px 4px 4px 4px rgb(17, 125, 140);  
box-shadow:4px 4px 4px 4px rgb(17, 125,  
140) }
```

Background

The CSS property to change the background color of an element to XYZ 12.2984, 16.6799, 27.3823 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(17, 125, 140) }
```

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

```
.background{ background-color: rgb(17, 125,  
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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