

Converting Colors

XYZ(11.4599, 16.3067, 21.8341)

Have a look what the booklet for
XYZ(11.4599, 16.3067, 21.8341)
contains.

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Color

**XYZ(11.5142, 16.3948,
21.9597)**

Conversions

Conversions Part 1

Format	Color
Hex	1C7D7D
RGB	28, 125, 125
RGB Percent	11%, 49%, 49%
CMY	0.8902, 0.5098, 0.5098
CMYK	0.78, 0.00, 0.00, 0.51
HSL	180°, 63%, 30%
HSV	180°, 78%, 49%
XYZ	11.5142, 16.3948, 21.9597
YIQ	95.9970, -57.8120, -20.5640

Conversions

Conversions Part 2

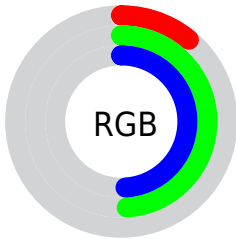
Format	Color
R_{YB}	28, 77, 125
Decimal	1867133
CIE Lab	47.49, -26.26, -7.83
CIE LCh	47, 27.396, 196.596
Yxy	16.3948, 0.2309, 0.3288
Android (android.graphics.Color)	4280057213 (0xFF1C7D7D)
YUV	95.9970, 14.2985, -59.6334
Hunter-Lab	40.4905, -20.0987, -3.8121

Details

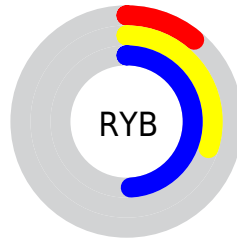
The XYZ color **11.5142, 16.3948, 21.9597** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **9.0829, 5.2749, 1.6386**, and the grayscale version is **11.0947, 11.6725, 12.7113**.

A 20% lighter version of the original color is **28.2707, 37.2793, 47.8251**, and **3.8206, 5.5540, 7.7081** is the 20% darker color. If you saturate the color by 10%, you get **11.2410, 16.2543, 21.9472**, and if you desaturate by 10%, it is **11.9305, 16.6098, 21.9796**.

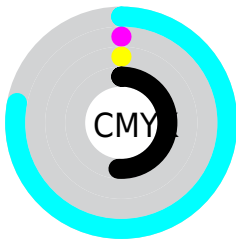
Distribution



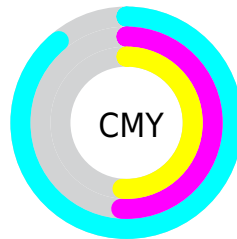
- Red (11%)
- Green (49%)
- Blue (49%)



- Red (11%)
- Yellow (30%)
- Blue (49%)



- Cyan (78%)
- Magenta (0%)
- Yellow (0%)
- Black (51%)



- Cyan (89%)
- Magenta (51%)
- Yellow (51%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 11.5142, 16.3948, 21.9597 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 11.5142, 16.3948, 21.9597 by changing the saturation by 10% instead.

■ 11.5142, 16.3948,
21.9597

■ 11.5142, 16.3948,
21.9597

■ 194.9984,
231.6602, 275.2824

■ 6.4836, 9.8040,
13.6293

■ 28.2318, 37.2823,
47.5807

■ 3.1848, 5.2692,
7.7275

■ 40.6495, 52.3476,
65.7084

■ 1.2522, 2.4060,
3.8358

■ 56.2603, 71.0067,
87.9388

■ 0.1470, 0.8290,
1.5357

■ 75.4296, 93.6437,
114.6907

■ 0.0000, 0.0000,
0.2443

■ 98.5227, 120.6432,
146.3824

■ 0.0000, 0.0000,
0.0000

■ 125.9050,

152.3895, 183.4326

157.9417,
189.2671, 226.2597

■ 11.5142, 16.3948,
21.9597

■ 11.5142, 16.3948,
21.9597

■ 11.2410, 16.2543,
21.9472

■ 11.9305, 16.6098,
21.9796

■ 11.0732, 16.1678,
21.9393

■ 12.5042, 16.9055,
22.0065

■ 11.0356, 16.1484,
21.9376

■ 13.2494, 17.2897,
22.0414

■ 14.1782, 17.7685,
22.0849

■ 15.3017, 18.3477,
22.1376

■ 16.6302, 19.0325,
22.1998

■ 18.1730, 19.8279,
22.2720

■ 19.9391, 20.7384,
22.3547

■ 21.9369, 21.7683,
22.4483

Harmonies

Analogous

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



11.4591, 16.3948, 14.9209



11.5142, 16.3948, 21.9597



12.5831, 16.3948, 29.4672

Triad

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



11.5142, 16.3948, 21.9597



19.2363, 16.3948, 28.7358



16.6930, 16.3948, 7.7296

Complementary

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



11.5142, 16.3948, 21.9597



9.0829, 5.2749, 1.6386

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.



19.0249, 16.3948, 9.7766



11.5142, 16.3948, 21.9597



20.5931, 16.3948, 21.1420

Square

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



11.5142, 16.3948, 21.9597



16.9581, 16.3948, 34.0234



20.5120, 16.3948, 14.2900



14.2839, 16.3948, 7.8407

Rectangle

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



11.5142, 16.3948, 21.9597



13.7967, 16.3948, 33.1935



20.5120, 16.3948, 14.2900



17.5166, 16.3948, 8.1595

Sweetspot

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



11.5147, 16.3954, 21.9601



28.3162, 33.3271, 39.6845



8.0681, 15.0220, 3.5734



6.2840, 7.4998, 9.0194



60.6688, 63.8283, 69.5090



7.9400, 8.3535, 9.0970

Same Dimension

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



11.5147, 16.3954, 21.9601



19.9051, 28.9910, 39.2903



6.9139, 7.1937, 20.4268



4.4464, 4.8869, 5.5222



11.5175, 16.8536, 22.8955



0.0000, 0.0000, 0.0000

Inverse Universe

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



9.0829, 5.2749, 1.6386



15.3327, 8.0820, 1.0815



11.1759, 9.4610, 2.3362



4.3278, 4.3443, 4.5306



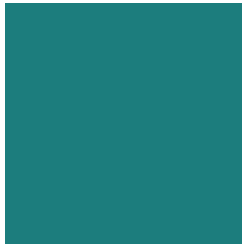
8.8271, 4.5505, 0.4131



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 11.5142, 16.3948, 21.9597 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 11.5142, 16.3948, 21.9597 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 11.5142, 16.3948, 21.9597

Background



This preview shows how black text looks on a background with the XYZ color 11.5142, 16.3948, 21.9597.

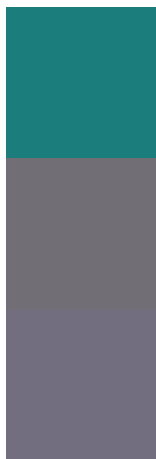


This preview shows how white text looks on a background with the XYZ color 11.5142, 16.3948,

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

11.5142, 16.3948, 21.9597

Protanopia

15.7054, 16.1639, 19.1218

Deuteranopia

16.4352, 16.1406, 22.6713



Tritanopia

12.2039, 16.4939, 25.0947

Trichromacy



Original Color

11.5142, 16.3948, 21.9597

Protanomaly

13.1152, 15.6407, 20.0970

Deuteranomaly

13.5288, 15.6328, 22.3831

Tritanomaly

11.9000, 16.3611, 24.0035

Monochromacy



Original Color

11.5142, 16.3948, 21.9597

Achromatopsia

11.1181, 11.6971, 12.7381

Achromatomaly

10.5101, 12.9165, 15.8491

CSS Examples

Text

The CSS property to change the color of the text to XYZ 11.5142, 16.3948, 21.9597 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(28, 125, 125)` looks like.

```
.text, #text, p{  
    color:rgb(28, 125, 125)  
}
```

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(28, 125, 125) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(28, 125, 125) }
```

Border

The CSS property to change the border of an element to XYZ 11.5142, 16.3948, 21.9597 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(28, 125, 125) }
```


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

```
.border{ border-color:rgb(28, 125, 125) }
```

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

Here you see how a box with a 4 pixel `rgb(28, 125, 125)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(28, 125, 125); -webkit-box-  
shadow:4px 4px 4px 4px rgb(28, 125, 125);  
box-shadow:4px 4px 4px 4px rgb(28, 125,  
125) }
```

Background

The CSS property to change the background color of an element to XYZ 11.5142, 16.3948, 21.9597 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(28, 125, 125) }
```

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

```
.background{ background-color: rgb(28, 125,  
125) }
```

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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