

Converting Colors

XYZ(14.4103, 18.2333, 22.7459)

Have a look what the booklet for
XYZ(14.4103, 18.2333, 22.7459)
contains.

XYZ(14.4807, 18.2888, 22.8456)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(14.4807, 18.2888,
22.8456)**

Conversions

Conversions Part 1

Format	Color
Hex	4D7F7F
RGB	77, 127, 127
RGB Percent	30%, 50%, 50%
CMY	0.6980, 0.5020, 0.5020
CMYK	0.39, 0.00, 0.00, 0.50
HSL	180°, 25%, 40%
HSV	180°, 39%, 50%
XYZ	14.4807, 18.2888, 22.8456
YIQ	112.0500, -29.8000, -10.6000

Conversions

Conversions Part 2

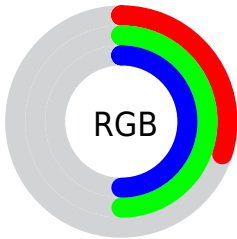
Format	Color
RYB	77, 102, 127
Decimal	5078911
CIELab	49.84, -16.77, -5.32
CIElCh	50, 17.590, 197.602
Yxy	18.2888, 0.2604, 0.3288
Android (android.graphics.Color)	4283268991 (0xFF4D7F7F)
YUV	112.0500, 7.3704, -30.7388
Hunter-Lab	42.7654, -14.3980, -1.7374

Details

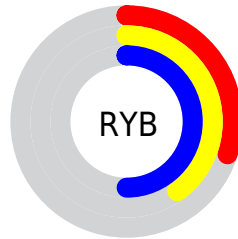
The XYZ color **14.4807, 18.2888, 22.8456** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **12.7464, 10.3561, 8.3489**, and the grayscale version is **15.4015, 16.2036, 17.6457**.

A 20% lighter version of the original color is **33.6127, 40.6049, 49.2460**, and **4.5255, 6.2184, 8.1695** is the 20% darker color. If you saturate the color by 10%, you get **13.5545, 17.8118, 22.8026**, and if you desaturate by 10%, it is **15.6081, 18.8704, 22.8989**.

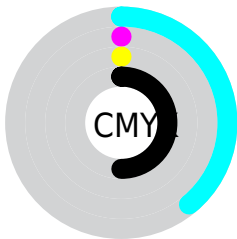
Distribution



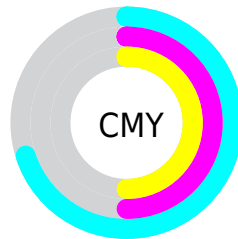
- Red (30%)
- Green (50%)
- Blue (50%)



- Red (30%)
- Yellow (40%)
- Blue (50%)



- Cyan (39%)
- Magenta (0%)
- Yellow (0%)
- Black (50%)



- Cyan (70%)
- Magenta (50%)
- Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 14.4807, 18.2888, 22.8456 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 14.4807, 18.2888, 22.8456 by changing the saturation by 10% instead.

■ 14.4807, 18.2888,
22.8456

■ 14.4807, 18.2888,
22.8456

213.6524,
242.4939, 280.0271

■ 8.5397, 11.1575,
14.2753

■ 33.5187, 40.5288,
49.0597

■ 4.4969, 6.1729,
8.1715

■ 47.3465, 56.4064,
67.5405

■ 1.9869, 2.9505,
4.1155

■ 64.5339, 75.9681,
90.1620

■ 0.6266, 1.1059,
1.6889

■ 85.4462, 99.5985,
117.3425

■ 0.0000, 0.0000,
0.3531

■ 110.4489,
127.6818, 149.5008

■ 0.0000, 0.0000,
0.0000

139.9072,

160.6026, 187.0553

174.1866,
198.7451, 230.4246

■ 14.4807, 18.2888,
22.8456

■ 14.4807, 18.2888,
22.8456

■ 13.5545, 17.8118,
22.8026

■ 15.6081, 18.8704,
22.8989

■ 12.8162, 17.4312,
22.7679

■ 16.9458, 19.5600,
22.9616

■ 12.2534, 17.1410,
22.7415

■ 18.5043, 20.3635,
23.0346

■ 11.8516, 16.9339,
22.7226

■ 20.2931, 21.2856,
23.1184

■ 11.5939, 16.8010,
22.7104

■ 22.3208, 22.3310,
23.2134

■ 11.4304, 16.7168,
22.7027

■ 24.5959, 23.5038,
23.3200

■ 11.4204, 16.7116,
22.7022

■ 27.1263, 24.8083,
23.4385

■ 29.9197, 26.2483,
23.5693

■ 32.9831, 27.8276,
23.7128

Harmonies

Analogous

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



14.4136, 18.2888, 17.9914



14.4807, 18.2888, 22.8456



15.2935, 18.2888, 27.5607

Triad

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



14.4807, 18.2888, 22.8456



19.8806, 18.2888, 26.8294



18.0862, 18.2888, 12.1722

Complementary

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



14.4807, 18.2888, 22.8456



12.7464, 10.3561, 8.3489

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.



19.6546, 18.2888, 13.8303



14.4807, 18.2888, 22.8456



20.7345, 18.2888, 21.9676

Square

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



14.4807, 18.2888, 22.8456



18.3787, 18.2888, 30.1033



20.6492, 18.2888, 17.2435



16.4238, 18.2888, 12.3295

Rectangle

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



14.4807, 18.2888, 22.8456



16.1803, 18.2888, 29.7557



20.6492, 18.2888, 17.2435



18.6438, 18.2888, 12.5230

Sweetspot

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



14.4812, 18.2895, 22.8460



32.2800, 36.0238, 41.2080



12.0577, 17.3279, 9.7307



7.4882, 8.3983, 9.6447



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.



14.4812, 18.2895, 22.8460



24.4607, 31.9928, 40.8414



11.7256, 12.7781, 21.9278



4.4464, 4.8869, 5.5222



11.5174, 16.8535, 22.8950



0.0000, 0.0000, 0.0000

Inverse Universe

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



12.7464, 10.3561, 8.3489



20.9060, 15.7365, 11.1354



14.7625, 14.3882, 9.0207



4.3278, 4.3443, 4.5306



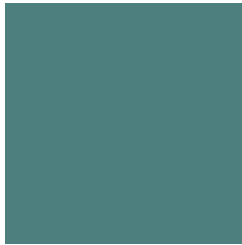
8.8271, 4.5505, 0.4132



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 14.4807, 18.2888, 22.8456 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 14.4807, 18.2888, 22.8456 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 14.4807, 18.2888, 22.8456

Background



This preview shows how black text looks on a background with the XYZ color 14.4807, 18.2888, 22.8456.



This preview shows how white text looks on a background with the XYZ color 14.4807, 18.2888,

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

14.4807, 18.2888, 22.8456

Protanopia

17.4202, 18.0250, 20.6502

Deuteranopia

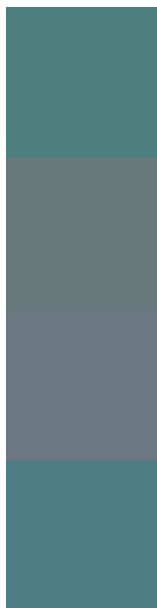
18.4722, 18.1583, 23.6504



Tritanopia

15.1292, 18.3615, 26.0393

Trichromacy



Original Color

14.4807, 18.2888, 22.8456

Protanomaly

16.1214, 18.0479, 21.3728

Deuteranomaly

16.6227, 17.9044, 23.3487

Tritanomaly

14.8364, 18.2349, 24.9280

Monochromacy



Original Color

14.4807, 18.2888, 22.8456

Achromatopsia

15.4009, 16.2029, 17.6450

Achromatomaly

14.7178, 16.6596, 19.2695

CSS Examples

Text

The CSS property to change the color of the text to XYZ 14.4807, 18.2888, 22.8456 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(77, 127, 127)` looks like.

```
.text, #text, p{  
    color:rgb(77, 127, 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(77, 127, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 127, 127) }
```

Border

The CSS property to change the border of an element to XYZ 14.4807, 18.2888, 22.8456 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(77, 127, 127) }
```


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

```
.border{ border-color:rgb(77, 127, 127) }
```

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

Here you see how a box with a 4 pixel `rgb(77, 127, 127)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 127, 127); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 127, 127);  
box-shadow:4px 4px 4px 4px rgb(77, 127,  
127) }
```

Background

The CSS property to change the background color of an element to XYZ 14.4807, 18.2888, 22.8456 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(77, 127, 127) }
```

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

```
.background{ background-color: rgb(77, 127,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor