

Converting Colors

XYZ(14.8179, 19.3574, 23.4889)

Have a look what the booklet for
XYZ(14.8179, 19.3574, 23.4889)
contains.

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Color

**XYZ(14.8200, 19.4388,
23.3930)**

Conversions

Conversions Part 1

Format	Color
Hex	488480
RGB	72, 132, 128
RGB Percent	28%, 52%, 50%
CMY	0.7176, 0.4823, 0.4980
CMYK	0.45, 0.00, 0.03, 0.48
HSL	176°, 29%, 40%
HSV	176°, 45%, 52%
XYZ	14.8200, 19.4388, 23.3930
YIQ	113.6040, -34.4760, -13.9640

Conversions

Conversions Part 2

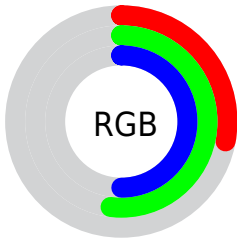
Format	Color
RYB	72, 103, 132
Decimal	4752512
CIELab	51.20, -20.52, -3.93
CIELCh	51, 20.897, 190.838
Yxy	19.4388, 0.2571, 0.3372
Android (android.graphics.Color)	4282942592 (0xFF488480)
YUV	113.6040, 7.0972, -36.4867
Hunter-Lab	44.0895, -17.1565, -0.5955

Details

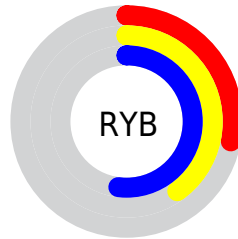
The XYZ color **14.8200, 19.4388, 23.3930** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **13.1382, 10.0625, 8.0879**, and the grayscale version is **15.8630, 16.6892, 18.1745**.

A 20% lighter version of the original color is **34.1469, 42.3941, 50.0992**, and **4.6423, 6.7093, 8.4475** is the 20% darker color. If you saturate the color by 10%, you get **13.8821, 18.9624, 23.0483**, and if you desaturate by 10%, it is **15.9708, 20.0258, 23.7511**.

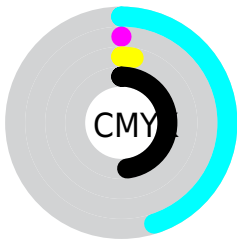
Distribution



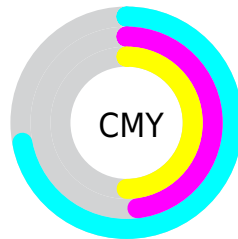
- Red (28%)
- Green (52%)
- Blue (50%)



- Red (28%)
- Yellow (40%)
- Blue (52%)



- Cyan (45%)
- Magenta (0%)
- Yellow (3%)
- Black (48%)



- Cyan (72%)
- Magenta (48%)
- Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 14.8200, 19.4388, 23.3930 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 14.8200, 19.4388, 23.3930 by changing the saturation by 10% instead.

■ 14.8200, 19.4388,
23.3930

■ 14.8200, 19.4388,
23.3930

215.6842,
248.8606, 282.9242

■ 8.7786, 11.9878,
14.6759

■ 34.1114, 42.4743,
49.9692

■ 4.6530, 6.7354,
8.4482

■ 48.0921, 58.8275,
68.6654

■ 2.0778, 3.2971,
4.2912

■ 65.4499, 78.9169,
91.5250

■ 0.6771, 1.2888,
1.7864

■ 86.5503, 103.1269,
118.9667

■ 0.0000, 0.1325,
0.4190

■ 111.7586,
131.8419, 151.4089

■ 0.0000, 0.0000,
0.0000

141.4401,

165.4462, 189.2702

175.9602,
204.3243, 232.9691

■ 14.8200, 19.4388,
23.3930

■ 14.8200, 19.4388,
23.3930

■ 13.8821, 18.9624,
23.0483

■ 15.9708, 20.0258,
23.7511

■ 13.1419, 18.5874,
22.7151

■ 17.3454, 20.7277,
24.1219

■ 12.5845, 18.3067,
22.3930

■ 18.9557, 21.5510,
24.5064

■ 12.1926, 18.1111,
22.0813

■ 20.8125, 22.5013,
24.9051

■ 11.9395, 17.9871,
21.7786

■ 22.9258, 23.5838,
25.3184

■ 11.8392, 17.9383,
21.6426

■ 25.3051, 24.8033,
25.7468

■ 27.9594, 26.1646,
26.1908

■ 30.8972, 27.6719,
26.6507

■ 34.1268, 29.3296,
27.1269

Harmonies

Analogous

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



14.9501, 19.4388, 17.6244



14.8200, 19.4388, 23.3930



15.6126, 19.4388, 29.5731

Triad

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



14.8200, 19.4388, 23.3930



21.2164, 19.4388, 31.0667



19.8200, 19.4388, 12.0856

Complementary

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



14.8200, 19.4388, 23.3930



13.1382, 10.0625, 8.0879

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.



21.6697, 19.4388, 14.5247



14.8200, 19.4388, 23.3930



22.5168, 19.4388, 25.1518

Square

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



14.8200, 19.4388, 23.3930



19.2382, 19.4388, 34.5248



22.6887, 19.4388, 19.0842



17.7342, 19.4388, 11.7919

Rectangle

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



14.8200, 19.4388, 23.3930



16.5950, 19.4388, 32.8249



22.6887, 19.4388, 19.0842



20.4940, 19.4388, 12.6568

Sweetspot

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



14.8206, 19.4396, 23.3935



33.7402, 38.1400, 43.2451



12.4821, 18.5490, 9.0536



7.7219, 8.8115, 10.0382



64.0503, 67.3860, 73.3833



8.9945, 9.4630, 10.3052

Same Dimension

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



14.8206, 19.4396, 23.3935



24.3393, 33.3435, 40.5517



12.0956, 13.5596, 23.8105



4.7886, 5.2737, 5.8978



11.4636, 17.3683, 20.9586



0.0407, 0.0606, 0.0779

Inverse Universe

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



13.1382, 10.0625, 8.0879



20.9747, 14.5593, 9.9187



14.9608, 13.9234, 8.0301



4.6842, 4.6934, 4.9496



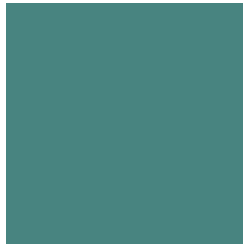
9.2611, 4.7688, 0.6814



0.0329, 0.0168, 0.0064

Previews

White Background



This preview shows how the XYZ color 14.8200, 19.4388, 23.3930 looks on a white 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

Black Background



This preview shows how the XYZ color 14.8200, 19.4388, 23.3930 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 14.8200, 19.4388, 23.3930

Background



This preview shows how black text looks on a background with the XYZ color 14.8200, 19.4388, 23.3930.



This preview shows how white text looks on a background with the XYZ color 14.8200, 19.4388,

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

14.8200, 19.4388, 23.3930

Protanopia

18.4569, 19.2662, 20.8351

Deuteranopia

19.6284, 19.2627, 24.1563



Tritanopia

15.7708, 19.4249, 28.1175

Trichromacy



Original Color

14.8200, 19.4388, 23.3930

Protanomaly

16.6806, 19.0655, 21.8696

Deuteranomaly

17.2966, 18.9658, 23.8682

Tritanomaly

15.4619, 19.5060, 26.2427

Monochromacy



Original Color

14.8200, 19.4388, 23.3930

Achromatopsia

15.9940, 16.8269, 18.3245

Achromatomaly

15.3127, 17.6593, 20.0543

CSS Examples

Text

The CSS property to change the color of the text to XYZ 14.8200, 19.4388, 23.3930 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(72, 132, 128)` looks like.

```
.text, #text, p{  
    color:rgb(72, 132, 128)  
}
```

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(72, 132, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(72, 132, 128) }
```

Border

The CSS property to change the border of an element to XYZ 14.8200, 19.4388, 23.3930 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(72, 132, 128) }
```


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

```
.border{ border-color:rgb(72, 132, 128) }
```

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

Here you see how a box with a 4 pixel rgb(72, 132, 128) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(72, 132, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(72, 132, 128);  
box-shadow:4px 4px 4px 4px rgb(72, 132,  
128) }
```

Background

The CSS property to change the background color of an element to XYZ 14.8200, 19.4388, 23.3930 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(72, 132, 128) }
```

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

```
.background{ background-color: rgb(72, 132,  
128) }
```

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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