

Converting Colors

XYZ(14.5913, 19.0485, 23.1579)

Have a look what the booklet for
XYZ(14.5913, 19.0485, 23.1579)
contains.

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Color

**XYZ(14.6851, 19.1688,
23.3480)**

Conversions

Conversions Part 1

Format	Color
Hex	488380
RGB	72, 131, 128
RGB Percent	28%, 51%, 50%
CMY	0.7176, 0.4863, 0.4980
CMYK	0.45, 0.00, 0.02, 0.49
HSL	177°, 29%, 40%
HSV	177°, 45%, 51%
XYZ	14.6851, 19.1688, 23.3480
YIQ	113.0170, -34.2010, -13.4410

Conversions

Conversions Part 2

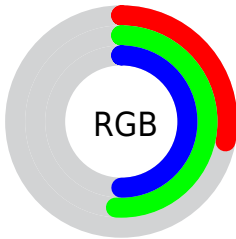
Format	Color
RYB	72, 102, 131
Decimal	4752256
CIELab	50.88, -20.00, -4.39
CIELCh	51, 20.473, 192.386
Yxy	19.1688, 0.2567, 0.3351
Android (android.graphics.Color)	4282942336 (0xFF488380)
YUV	113.0170, 7.3866, -35.9719
Hunter-Lab	43.7822, -16.7477, -0.9704




Details

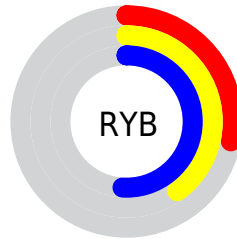
The XYZ color **14.6851, 19.1688, 23.3480** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **12.9481, 9.9687, 7.8992**, and the grayscale version is **15.6876, 16.5046, 17.9735**.




A 20% lighter version of the original color is **33.7932, 41.9023, 50.0229**, and **4.5674, 6.5595, 8.4225** is the 20% darker color. If you saturate the color by 10%, you get **13.7671, 18.7011, 23.0772**, and if you desaturate by 10%, it is **15.8127, 19.7455, 23.6309**.

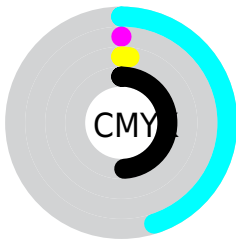
Distribution







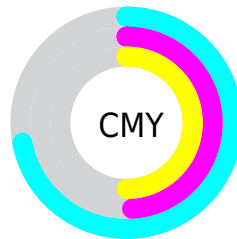
-  Red (28%)
-  Green (51%)
-  Blue (50%)






-  Red (28%)
-  Yellow (40%)
-  Blue (51%)



-  Cyan (45%)
-  Magenta (0%)
-  Yellow (2%)
-  Black (49%)



-  Cyan (72%)
-  Magenta (49%)
-  Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 14.6851, 19.1688, 23.3480 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 14.6851, 19.1688, 23.3480 by changing the saturation by 10% instead.

■ 14.6851, 19.1688,
23.3480

■ 14.6851, 19.1688,
23.3480

214.8786,
247.3791, 282.6870

■ 8.6836, 11.7923,
14.6430

■ 33.8760, 42.0191,
49.8945

■ 4.5908, 6.6024,
8.4254

■ 47.7961, 58.2618,
68.5731

■ 2.0415, 3.2147,
4.2767

■ 65.0864, 78.2286,
91.4133

■ 0.6571, 1.2448,
1.7783

■ 86.1122, 102.3040,
118.8336

■ 0.0000, 0.0979,
0.4136

■ 111.2391,
130.8723, 151.2526

■ 0.0000, 0.0000,
0.0000

140.8321,

164.3180, 189.0888

175.2569,
203.0255, 232.7608

■ 14.6851, 19.1688,
23.3480

■ 14.6851, 19.1688,
23.3480

■ 13.7671, 18.7011,
23.0772

■ 15.8127, 19.7455,
23.6309

■ 13.0436, 18.3331,
22.8166

■ 17.1603, 20.4351,
23.9253

■ 12.5003, 18.0580,
22.5659

■ 18.7397, 21.2441,
24.2320

■ 12.1202, 17.8670,
22.3244

■ 20.5615, 22.1781,
24.5515

■ 11.8785, 17.7473,
22.0908

■ 22.6353, 23.2420,
24.8844

■ 11.7761, 17.6970,
21.9762

■ 24.9706, 24.4406,
25.2310

■ 27.5762, 25.7785,
25.5917

■ 30.4603, 27.2601,
25.9671

■ 33.6311, 28.8893,
26.3574

Harmonies

Analogous

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



14.7646, 19.1688, 17.6853



14.6851, 19.1688, 23.3480



15.5002, 19.1688, 29.2980

Triad

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



14.6851, 19.1688, 23.3480



20.9633, 19.1688, 30.2060



19.4193, 19.1688, 11.9681

Complementary

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



14.6851, 19.1688, 23.3480



12.9481, 9.9687, 7.8992

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.



21.2393, 19.1688, 14.2389



14.6851, 19.1688, 23.3480



22.1749, 19.1688, 24.4193

Square

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



14.6851, 19.1688, 23.3480



19.0647, 19.1688, 33.7207



22.2796, 19.1688, 18.5767



17.3994, 19.1688, 11.7879

Rectangle

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



14.6851, 19.1688, 23.3480



16.4788, 19.1688, 32.3525



22.2796, 19.1688, 18.5767



20.0783, 19.1688, 12.4898

Sweetspot

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



14.6857, 19.1696, 23.3484



33.7759, 38.1543, 43.4329



12.2619, 18.2350, 9.0049



7.7312, 8.8152, 10.0876



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.



14.6857, 19.1696, 23.3484



24.6225, 33.4729, 41.3150



11.8657, 13.2088, 23.3976



4.7917, 5.2749, 5.9141



11.5917, 17.4195, 21.6331



0.0409, 0.0607, 0.0791

Inverse Universe

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



12.9481, 9.9687, 7.8992



21.1008, 14.8032, 9.9864



14.8577, 13.9484, 8.0407



4.6815, 4.6923, 4.9349



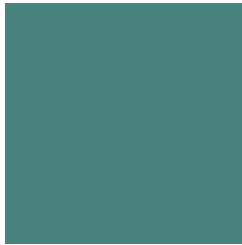
9.2498, 4.7643, 0.6221



0.0326, 0.0167, 0.0052

Previews

White Background



This preview shows how the XYZ color 14.6851, 19.1688, 23.3480 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 14.6851, 19.1688, 23.3480 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 14.6851, 19.1688, 23.3480

Background



This preview shows how black text looks on a background with the XYZ color 14.6851, 19.1688, 23.3480.



This preview shows how white text looks on a background with the XYZ color 14.6851, 19.1688,

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

14.6851, 19.1688, 23.3480

Protanopia

18.1937, 18.9510, 20.7882

Deuteranopia

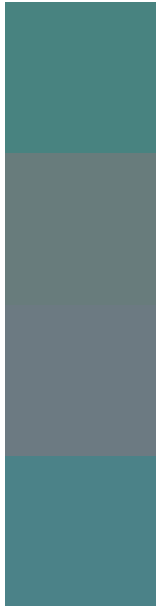
19.3601, 18.9505, 24.1101



Tritanopia

15.5644, 19.1305, 27.6832

Trichromacy



Original Color

14.6851, 19.1688, 23.3480

Protanomaly

16.5547, 18.8136, 21.8276

Deuteranomaly

17.1731, 18.7189, 23.8271

Tritanomaly

15.3282, 19.2387, 26.1981

Monochromacy



Original Color

14.6851, 19.1688, 23.3480

Achromatopsia

15.6958, 16.5132, 17.9829

Achromatomaly

15.0235, 17.3376, 19.6942

CSS Examples

Text

The CSS property to change the color of the text to XYZ 14.6851, 19.1688, 23.3480 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, 131, 128)` looks like.

```
.text, #text, p{  
    color:rgb(72, 131, 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, 131, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(72, 131, 128) }
```

Border

The CSS property to change the border of an element to XYZ 14.6851, 19.1688, 23.3480 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, 131, 128) }
```


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

```
.border{ border-color:rgb(72, 131, 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, 131, 128) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(72, 131, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(72, 131, 128);  
box-shadow:4px 4px 4px 4px rgb(72, 131,  
128) }
```

Background

The CSS property to change the background color of an element to XYZ 14.6851, 19.1688, 23.3480 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(72, 131, 128) }
```

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

```
.background{ background-color: rgb(72, 131,  
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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