

Converting Colors

XYZ(16.0936, 21.9860, 23.8176)

Have a look what the booklet for
XYZ(16.0936, 21.9860, 23.8176)
contains.

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Color

**XYZ(16.0936, 21.9860,
23.8176)**

Conversions

Conversions Part 1

Format	Color
Hex	488D80
RGB	72, 141, 128
RGB Percent	28%, 55%, 50%
CMY	0.7176, 0.4470, 0.4980
CMYK	0.49, 0.00, 0.09, 0.45
HSL	169°, 32%, 42%
HSV	169°, 49%, 55%
XYZ	16.0936, 21.9860, 23.8176
YIQ	118.8870, -36.9510, -18.6710

Conversions

Conversions Part 2

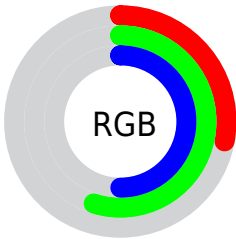
Format	Color
R_{YB}	72, 110, 141
Decimal	4754816
CIE _{Lab}	54.01, -25.16, 0.20
CIE _{LCh}	54, 25.163, 179.535
Yxy	21.9860, 0.2600, 0.3552
Android (android.graphics.Color)	4282944896 (0xFF488D80)
YUV	118.8870, 4.4927, -41.1199
Hunter-Lab	46.8892, -20.7903, 2.7058

Details

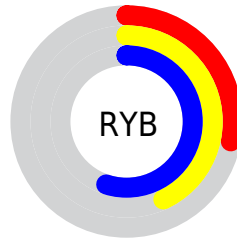
The XYZ color **16.0936, 21.9860, 23.8176** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **14.9422, 10.9538, 9.9217**, and the grayscale version is **17.4939, 18.4050, 20.0430**.

A 20% lighter version of the original color is **36.3130, 46.7264, 50.8213**, and **5.2191, 7.9550, 8.6575** is the 20% darker color. If you saturate the color by 10%, you get **14.9882, 21.4366, 22.8653**, and if you desaturate by 10%, it is **17.4460, 22.6633, 24.8063**.

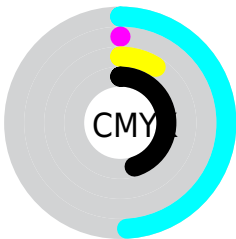
Distribution



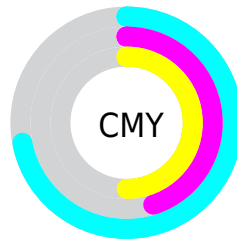
- Red (28%)
- Green (55%)
- Blue (50%)



- Red (28%)
- Yellow (43%)
- Blue (55%)



- Cyan (49%)
- Magenta (0%)
- Yellow (9%)
- Black (45%)



- Cyan (72%)
- Magenta (45%)
- Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.0936, 21.9860, 23.8176 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 16.0936, 21.9860, 23.8176 by changing the saturation by 10% instead.

■ 16.0936, 21.9860,
23.8176

■ 16.0936, 21.9860,
23.8176

223.1529,
262.4732, 285.1538

■ 9.6817, 13.8466,
14.9874

■ 36.3168, 46.7229,
50.6725

■ 5.2491, 8.0141,
8.6640

■ 50.8587, 64.0891,
69.5343

■ 2.4304, 4.1039,
4.4289

■ 68.8414, 85.2998,
92.5770

■ 0.8603, 1.7319,
1.8635

■ 90.6301, 110.7393,
120.2192

■ 0.0000, 0.4442,
0.4693

■ 116.5903,
140.7920, 152.8795

■ 0.0000, 0.0000,
0.0000

147.0872,

175.8422, 190.9763

182.4863,
216.2745, 234.9282

■ 16.0936, 21.9860,
23.8176

■ 16.0936, 21.9860,
23.8176

■ 14.9882, 21.4366,
22.8653

■ 17.4460, 22.6633,
24.8063

■ 14.1111, 21.0039,
21.9469

■ 19.0586, 23.4736,
25.8309

■ 13.4440, 20.6789,
21.0619


■ 20.9460, 24.4250,
26.8925


■ 12.9651, 20.4504,
20.2091


■ 23.1211, 25.5243,
27.9921


■ 12.6223, 20.2915,
19.3858


■ 25.5961, 26.7775,
29.1303

 12.5873, 20.2754,
19.2996

 28.3822, 28.1906,
30.3078

 31.4904, 29.7692,
31.5254

 34.9308, 31.5185,
32.7836

 38.7133, 33.4437,
34.0832

Harmonies

Analogous

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



16.7075, 21.9860, 17.1226



16.0936, 21.9860, 23.8176



16.6709, 21.9860, 32.1031

Triad

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



16.0936, 21.9860, 23.8176



23.5812, 21.9860, 39.4696



23.6610, 21.9860, 13.2149

Complementary

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



16.0936, 21.9860, 23.8176



14.9422, 10.9538, 9.9217

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.



25.7831, 21.9860, 17.2916



16.0936, 21.9860, 23.8176



25.7342, 21.9860, 32.3599

Square

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



16.0936, 21.9860, 23.8176



20.8546, 21.9860, 42.2466



26.5721, 21.9860, 24.0608



20.9395, 21.9860, 11.8725

Rectangle

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



16.0936, 21.9860, 23.8176



17.6848, 21.9860, 37.2305



26.5721, 21.9860, 24.0608



24.4764, 21.9860, 14.2602

Sweetspot

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



16.0942, 21.9869, 23.8181



38.8566, 44.4198, 48.8620



14.5145, 21.4875, 9.5136



8.5232, 9.8427, 10.8329



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.



16.0942, 21.9869, 23.8181



26.6086, 38.2732, 40.7243



14.2334, 16.8067, 27.6942



5.5173, 6.0991, 6.6899



11.4822, 18.4888, 17.6254



0.1170, 0.1797, 0.2068

Inverse Universe

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



14.9422, 10.9538, 9.9217



24.3032, 16.0495, 12.8078



16.0429, 13.9073, 7.9700



5.4478, 5.4397, 5.8563



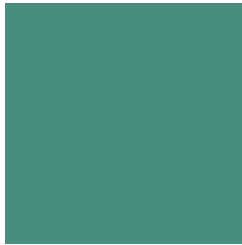
10.1964, 5.2356, 1.4194



0.1037, 0.0525, 0.0461

Previews

White Background



This preview shows how the XYZ color 16.0936, 21.9860, 23.8176 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 16.0936, 21.9860, 23.8176 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 16.0936, 21.9860, 23.8176

Background



This preview shows how black text looks on a background with the XYZ color 16.0936, 21.9860, 23.8176.



This preview shows how white text looks on a background with the XYZ color 16.0936, 21.9860,

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

16.0936, 21.9860, 23.8176

Protanopia

20.8432, 21.8054, 21.1995

Deuteranopia

22.0200, 21.5702, 24.8327



Tritanopia

17.6552, 21.9666, 31.7432

Trichromacy



Original Color

16.0936, 21.9860, 23.8176

Protanomaly

18.5812, 21.6098, 22.2606

Deuteranomaly

19.1496, 21.2488, 24.5649

Tritanomaly

17.0208, 21.9248, 28.5341

Monochromacy



Original Color

16.0936, 21.9860, 23.8176

Achromatopsia

17.5343, 18.4475, 20.0893

Achromatomaly

16.5817, 19.4087, 21.2847

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.0936, 21.9860, 23.8176 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, 141, 128)` looks like.

```
.text, #text, p{  
    color:rgb(72, 141, 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, 141, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(72, 141, 128) }
```

Border

The CSS property to change the border of an element to XYZ 16.0936, 21.9860, 23.8176 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, 141, 128) }
```


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

```
.border{ border-color:rgb(72, 141, 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, 141, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(72, 141, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(72, 141, 128);  
box-shadow:4px 4px 4px 4px rgb(72, 141,  
128) }
```

Background

The CSS property to change the background color of an element to XYZ 16.0936, 21.9860, 23.8176 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(72, 141, 128) }
```

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

```
.background{ background-color: rgb(72, 141,  
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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