

Converting Colors

XYZ(18.4660, 23.9976, 32.9900)

Have a look what the booklet for
XYZ(18.4660, 23.9976, 32.9900)
contains.

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Color

**XYZ(18.3838, 23.8629,
32.9152)**

Conversions

Conversions Part 1

Format	Color
Hex	489197
RGB	72, 145, 151
RGB Percent	28%, 57%, 59%
CMY	0.7176, 0.4314, 0.4078
CMYK	0.52, 0.04, 0.00, 0.41
HSL	185°, 35%, 44%
HSV	185°, 52%, 59%
XYZ	18.3838, 23.8629, 32.9152
YIQ	123.8570, -45.4340, -13.6100

Conversions

Conversions Part 2

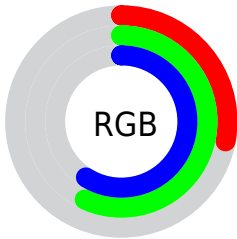
Format	Color
R_{YB}	72, 110, 151
Decimal	4755863
CIE _{Lab}	55.95, -20.97, -10.18
CIE _{LCh}	56, 23.310, 205.882
Yxy	23.8629, 0.2446, 0.3175
Android (android.graphics.Color)	4282945943 (0xFF489197)
YUV	123.8570, 13.3815, -45.4786
Hunter-Lab	48.8497, -18.3113, -5.7552

Details

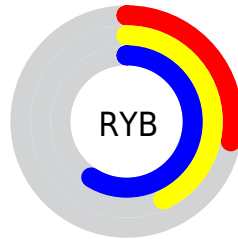
The XYZ color **18.3838, 23.8629, 32.9152** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **16.6570, 12.4964, 7.6656**, and the grayscale version is **19.0790, 20.0725, 21.8590**.

A 20% lighter version of the original color is **40.1953, 49.7667, 65.2450**, and **6.3280, 8.9384, 13.4484** is the 20% darker color. If you saturate the color by 10%, you get **17.2193, 23.0043, 32.8113**, and if you desaturate by 10%, it is **19.8280, 24.8694, 33.0338**.

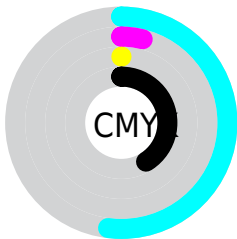
Distribution



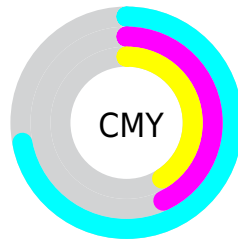
- Red (28%)
- Green (57%)
- Blue (59%)



- Red (28%)
- Yellow (43%)
- Blue (59%)



- Cyan (52%)
- Magenta (4%)
- Yellow (0%)
- Black (41%)



- Cyan (72%)
- Magenta (43%)
- Yellow (41%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.3838, 23.8629, 32.9152 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 18.3838, 23.8629, 32.9152 by changing the saturation by 10% instead.

■ 18.3838, 23.8629,
32.9152

■ 18.3838, 23.8629,
32.9152

236.0295,
272.1266, 329.8877

■ 11.3272, 15.2320,
21.7909

■ 40.2152, 49.8064,
65.3576

■ 6.3563, 8.9823,
13.5065

■ 55.7208, 67.8877,
87.5128

■ 3.1056, 4.7297,
7.6434

■ 74.7734, 89.8879,
114.1820

■ 1.2099, 2.0895,
3.7832

■ 97.7384, 116.1915,
145.7838

■ 0.1141, 0.6587,
1.5072

■ 124.9811,
147.1827, 182.7368

■ 0.0000, 0.0000,
0.2232

156.8670,

■ 0.0000, 0.0000,

183.2461, 225.4594

0.0000

193.7613,
224.7659, 274.3702

■ 18.3838, 23.8629,
32.9152

■ 18.3838, 23.8629,
32.9152

■ 17.2193, 23.0043,
32.8113

■ 19.8280, 24.8694,
33.0338

■ 16.3117, 22.2803,
32.7194

■ 21.5684, 26.0306,
33.1662

■ 15.6383, 21.6795,
32.6389

■ 23.6224, 27.3562,
33.3138

■ 15.1711, 21.1878,
32.5686

■ 26.0059, 28.8543,
33.4773

■ 14.8963, 20.8550,
32.5189

■ 28.7333, 30.5323,
33.6575

■ 31.8184, 32.3974,
33.8549

■ 35.2742, 34.4562,
34.0701

■ 39.1130, 36.7152,
34.3038

■ 43.3465, 39.1804,
34.5565

Harmonies

Analogous

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



17.9527, 23.8629, 24.9450



18.3838, 23.8629, 32.9152



19.9316, 23.8629, 40.0929

Triad

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



18.3838, 23.8629, 32.9152



27.1840, 23.8629, 35.0944



23.0502, 23.8629, 13.9405

Complementary

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



18.3838, 23.8629, 32.9152



16.6570, 12.4964, 7.6656

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.



25.6722, 23.8629, 15.6452



18.3838, 23.8629, 32.9152



28.1741, 23.8629, 27.0486

Square

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



18.3838, 23.8629, 32.9152



24.9875, 23.8629, 41.5138



27.6005, 23.8629, 20.0990



20.5209, 23.8629, 14.9071

Rectangle

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



18.3838, 23.8629, 32.9152



21.4562, 23.8629, 42.9331



27.6005, 23.8629, 20.0990



23.9514, 23.8629, 14.2093

Sweetspot

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



18.3845, 23.8638, 32.9158



44.7909, 50.5615, 59.8323



15.0886, 24.0510, 10.9183



9.9981, 11.3774, 13.5866



72.9764, 76.7769, 83.6100



11.9732, 12.5967, 13.7178

Same Dimension

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



18.3845, 23.8638, 32.9158



30.4861, 40.9268, 58.7265



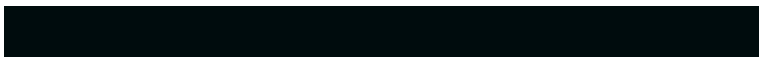
13.4371, 13.9690, 31.2666



6.3445, 6.9463, 7.9353



12.6817, 17.7600, 27.6673



0.1999, 0.2861, 0.4171

Inverse Universe

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



20.1913, 13.2590, 28.2841



34.1807, 20.0879, 49.0655



20.2669, 19.7161, 8.8689



6.4410, 6.3156, 7.7023



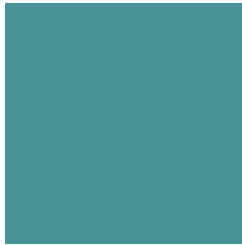
14.8599, 7.1982, 21.5850



0.2274, 0.1097, 0.3501

Previews

White Background



This preview shows how the XYZ color 18.3838, 23.8629, 32.9152 looks on a white background.

Color Contrast Check

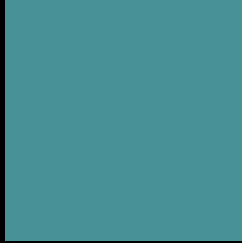
Large Text (above 18pt) WCAG AA ✓ Pass

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 18.3838, 23.8629, 32.9152 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

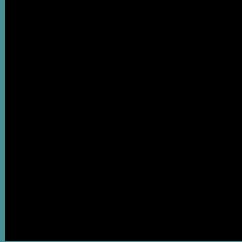
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 18.3838, 23.8629, 32.9152

Background



This preview shows how black text looks on a background with the XYZ color 18.3838, 23.8629, 32.9152.



This preview shows how white text looks on a background with the XYZ color 18.3838, 23.8629,

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

18.3838, 23.8629, 32.9152

Protanopia

23.0183, 23.7448, 29.3566

Deuteranopia

23.9687, 23.5326, 33.8508



Tritanopia

18.7980, 23.8027, 35.0561

Trichromacy



Original Color

18.3838, 23.8629, 32.9152

Protanomaly

20.6895, 23.3462, 30.6099

Deuteranomaly

21.2238, 23.1386, 33.4846

Tritanomaly

18.5536, 23.6961, 34.1678

Monochromacy



Original Color

18.3838, 23.8629, 32.9152

Achromatopsia

19.1579, 20.1556, 21.9495

Achromatomaly

18.3800, 21.2270, 25.6827

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.3838, 23.8629, 32.9152 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, 145, 151)` looks like.

```
.text, #text, p{  
    color:rgb(72, 145, 151)  
}
```

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, 145, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(72, 145, 151) }
```

Border

The CSS property to change the border of an element to XYZ 18.3838, 23.8629, 32.9152 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, 145, 151) }
```


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

```
.border{ border-color:rgb(72, 145, 151) }
```

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

Here you see how a box with a 4 pixel `rgb(72, 145, 151)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(72, 145, 151); -webkit-box-  
shadow:4px 4px 4px 4px rgb(72, 145, 151);  
box-shadow:4px 4px 4px 4px rgb(72, 145,  
151) }
```

Background

The CSS property to change the background color of an element to XYZ 18.3838, 23.8629, 32.9152 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(72, 145, 151) }
```

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

```
.background{ background-color: rgb(72, 145,  
151) }
```

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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