

Converting Colors

XYZ(18.8122, 23.1027, 24.3927)

Have a look what the booklet for
XYZ(18.8122, 23.1027, 24.3927)
contains.

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Color

**XYZ(18.8200, 23.1659,
24.2484)**

Conversions

Conversions Part 1

Format	Color
Hex	668C81
RGB	102, 140, 129
RGB Percent	40%, 55%, 51%
CMY	0.6000, 0.4510, 0.4941
CMYK	0.27, 0.00, 0.08, 0.45
HSL	163°, 16%, 47%
HSV	163°, 27%, 55%
XYZ	18.8200, 23.1659, 24.2484
YIQ	127.3840, -19.1170, -11.4770

Conversions

Conversions Part 2

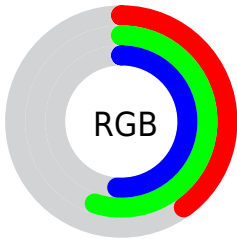
Format	Color
RYB	102, 124, 140
Decimal	6720641
CIELab	55.24, -15.65, 1.60
CIELCh	55, 15.736, 174.149
Yxy	23.1659, 0.2841, 0.3498
Android (android.graphics.Color)	4284910721 (0xFF668C81)
YUV	127.3840, 0.7967, -22.2618
Hunter-Lab	48.1310, -14.4328, 3.8214

Details

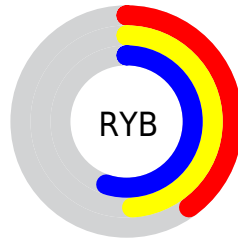
The XYZ color **18.8200, 23.1659, 24.2484** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **18.5480, 16.2710, 17.7868**, and the grayscale version is **20.3074, 21.3650, 23.2665**.

A 20% lighter version of the original color is **41.0617, 48.8310, 51.5171**, and **6.5723, 8.6484, 8.9123** is the 20% darker color. If you saturate the color by 10%, you get **17.1014, 22.3111, 22.7897**, and if you desaturate by 10%, it is **20.8186, 24.1651, 25.7770**.

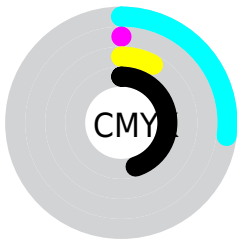
Distribution



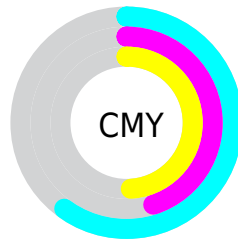
- Red (40%)
- Green (55%)
- Blue (51%)



- Red (40%)
- Yellow (49%)
- Blue (55%)



- Cyan (27%)
- Magenta (0%)
- Yellow (8%)
- Black (45%)



- Cyan (60%)
- Magenta (45%)
- Yellow (49%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.8200, 23.1659, 24.2484 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 18.8200, 23.1659, 24.2484 by changing the saturation by 10% instead.

■ 18.8200, 23.1659,
24.2484

■ 18.8200, 23.1659,
24.2484

238.4105,
268.5759, 287.4008

■ 11.6435, 14.7161,
15.3041

■ 40.9489, 48.6656,
51.3842

■ 6.5719, 8.6203,
8.8841

■ 56.6321, 66.4842,
70.4127

■ 3.2398, 4.4944,
4.5699

■ 75.8816, 88.1946,
93.6397

■ 1.2818, 1.9538,
1.9429

■ 99.0627, 114.1810,
121.4837

■ 0.1695, 0.5804,
0.5198

126.5408,
144.8280, 154.3633

■ 0.0000, 0.0000,
0.0000

158.6812,

180.5199, 192.6970

195.8493,
221.6411, 236.9033

■ 18.8200, 23.1659,
24.2484

■ 18.8200, 23.1659,
24.2484

■ 17.1014, 22.3111,
22.7897

■ 20.8186, 24.1651,
25.7770

■ 15.6473, 21.5908,
21.3980

■ 23.1078, 25.3122,
27.3752

■ 14.4436, 20.9983,
20.0726

■ 25.7002, 26.6144,
29.0446

■ 13.4739, 20.5253,
18.8119

■ 28.6069, 28.0773,
30.7863

■ 12.7202, 20.1625,
17.6146

■ 31.8385, 29.7064,
32.6016

■ 12.1614, 19.8990,
16.4789

■ 35.4052, 31.5070,
34.4913

■ 11.7593, 19.7151,
15.4023

■ 39.3166, 33.4839,
36.4566

■ 11.6532, 19.6669,
15.1046

■ 43.5818, 35.6420,
38.4985

■ 48.2100, 37.9857,
40.6178

Harmonies

Analogous

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



19.3873, 23.1659, 19.9615



18.8200, 23.1659, 24.2484



19.0720, 23.1659, 29.4012

Triad

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



18.8200, 23.1659, 24.2484



23.4325, 23.1659, 35.1436



24.0610, 23.1659, 18.1540

Complementary

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



18.8200, 23.1659, 24.2484



18.5480, 16.2710, 17.7868

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.



25.2538, 23.1659, 21.4620



18.8200, 23.1659, 24.2484



24.8776, 23.1659, 31.3379

Square

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



18.8200, 23.1659, 24.2484



21.6752, 23.1659, 36.1484



25.5603, 23.1659, 26.2249



22.3653, 23.1659, 16.7570

Rectangle

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



18.8200, 23.1659, 24.2484



19.6780, 23.1659, 32.5963



25.5603, 23.1659, 26.2249



24.5376, 23.1659, 19.0562

Sweetspot

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



18.8207, 23.1669, 24.2489



40.3004, 44.4050, 47.9671



18.6387, 23.2537, 16.0768



9.1528, 10.1651, 10.9622



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.



18.8207, 23.1669, 24.2489



31.1403, 39.8264, 41.0510



18.5194, 21.3303, 27.9531



5.1121, 5.6643, 6.1116



10.3627, 17.4777, 13.4667



0.0752, 0.1187, 0.1230

Inverse Universe

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



18.5480, 16.2710, 17.7868



30.5732, 25.4309, 27.5707



18.7471, 17.6011, 14.9800



5.0886, 5.0709, 5.5548



9.9660, 5.0965, 2.3253



0.0719, 0.0361, 0.0456

Previews

White Background



This preview shows how the XYZ color 18.8200, 23.1659, 24.2484 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 18.8200, 23.1659, 24.2484 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

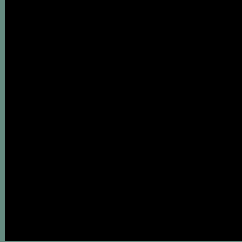
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 18.8200, 23.1659, 24.2484

Background



This preview shows how black text looks on a background with the XYZ color 18.8200, 23.1659, 24.2484.



This preview shows how white text looks on a background with the XYZ color 18.8200, 23.1659,

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

18.8200, 23.1659, 24.2484

Protanopia

21.9077, 22.9221, 22.3385

Deuteranopia

23.5611, 23.1240, 25.0514



Tritanopia

20.2348, 23.0936, 31.4080

Trichromacy



Original Color

18.8200, 23.1659, 24.2484

Protanomaly

20.6032, 22.8416, 23.0616

Deuteranomaly

21.4013, 22.8083, 24.7472

Tritanomaly

19.7219, 23.1033, 28.6192

Monochromacy



Original Color

18.8200, 23.1659, 24.2484

Achromatopsia

20.1725, 21.2231, 23.1119

Achromatomaly

19.6188, 21.9126, 23.6176

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.8200, 23.1659, 24.2484 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(102, 140, 129)` looks like.

```
.text, #text, p{  
    color:rgb(102, 140, 129)  
}
```

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(102, 140, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 140, 129) }
```

Border

The CSS property to change the border of an element to XYZ 18.8200, 23.1659, 24.2484 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(102, 140, 129) }
```


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

```
.border{ border-color:rgb(102, 140, 129) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 140, 129)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(102, 140, 129); -webkit-box-shadow:4px 4px 4px 4px rgb(102, 140, 129); box-shadow:4px 4px 4px 4px rgb(102, 140, 129) }
```

Background

The CSS property to change the background color of an element to XYZ 18.8200, 23.1659, 24.2484 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 140, 129) }
```

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

```
.background{ background-color: rgb(102,  
140, 129) }
```

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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