

Converting Colors

XYZ(19.9639, 23.2720, 23.7791)

Have a look what the booklet for
XYZ(19.9639, 23.2720, 23.7791)
contains.

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Color

**XYZ(20.0550, 23.3803,
23.8779)**

Conversions

Conversions Part 1

Format	Color
Hex	738A80
RGB	115, 138, 128
RGB Percent	45%, 54%, 50%
CMY	0.5490, 0.4588, 0.4980
CMYK	0.17, 0.00, 0.07, 0.46
HSL	154°, 9%, 50%
HSV	154°, 17%, 54%
XYZ	20.0550, 23.3803, 23.8779
YIQ	129.9830, -10.4980, -7.9860

Conversions

Conversions Part 2

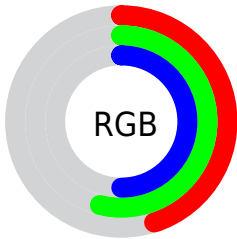
Format	Color
R_{YB}	115, 130, 138
Decimal	7572096
CIE _{Lab}	55.46, -10.36, 2.60
CIE _{LCh}	55, 10.680, 165.897
Yxy	23.3803, 0.2979, 0.3473
Android (android.graphics.Color)	4285762176 (0xFF738A80)
YUV	129.9830, -0.9776, -13.1401
Hunter-Lab	48.3532, -10.5833, 4.5685

Details

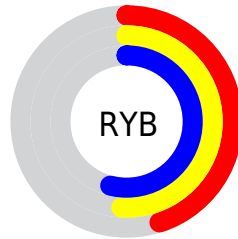
The XYZ color **20.0550, 23.3803, 23.8779** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **20.3145, 19.1460, 22.0280**, and the grayscale version is **21.2186, 22.3236, 24.3104**.

A 20% lighter version of the original color is **42.9076, 48.8133, 50.8765**, and **7.2157, 8.7373, 8.7033** is the 20% darker color. If you saturate the color by 10%, you get **17.9911, 22.3613, 21.7803**, and if you desaturate by 10%, it is **22.4153, 24.5507, 26.1123**.

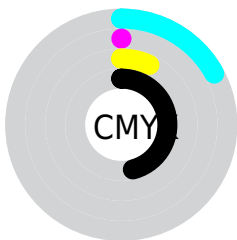
Distribution



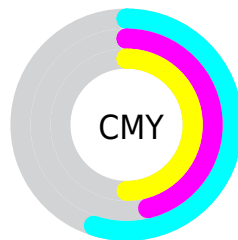
- Red (45%)
- Green (54%)
- Blue (50%)



- Red (45%)
- Yellow (51%)
- Blue (54%)



- Cyan (17%)
- Magenta (0%)
- Yellow (7%)
- Black (46%)



- Cyan (55%)
- Magenta (46%)
- Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.0550, 23.3803, 23.8779 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 20.0550, 23.3803, 23.8779 by changing the saturation by 10% instead.

■ 20.0550, 23.3803,
23.8779

■ 20.0550, 23.3803,
23.8779

245.0406,
269.6723, 285.4693

■ 12.5435, 14.8746,
15.0317

■ 43.0126, 49.0170,
50.7722

■ 7.1898, 8.7314,
8.6948

■ 59.1895, 66.9168,
69.6574

■ 3.6285, 4.5664,
4.4486

■ 78.9855, 88.7167,
92.7260

■ 1.4942, 1.9952,
1.8745

102.7660,
114.8012, 120.3966

■ 0.3219, 0.6047,
0.4764

130.8965,
145.5546, 153.0877

■ 0.0000, 0.0000,
0.0000

163.7421,

181.3613, 191.2178

201.6684,
222.6058, 235.2055

■ 20.0550, 23.3803,
23.8779

■ 20.0550, 23.3803,
23.8779

■ 17.9911, 22.3613,
21.7803

■ 22.4153, 24.5507,
26.1123

■ 16.2092, 21.4843,
19.8154

■ 25.0816, 25.8755,
28.4845

■ 14.6967, 20.7436,
17.9807

■ 28.0658, 27.3614,
30.9976

■ 13.4389, 20.1317,
16.2736

■ 31.3781, 29.0136,
33.6541

■ 12.4201, 19.6404,
14.6908

■ 35.0288, 30.8373,
36.4561

■ 11.6224, 19.2607,
13.2294

■ 39.0271, 32.8374,
39.4062

■ 11.0254, 18.9821,
11.8859

■ 43.3824, 35.0185,
42.5065

■ 10.5942, 18.7866,
10.6561

■ 48.1035, 37.3852,
45.7591

■ 10.4639, 18.7278,
10.2700

■ 53.1988, 39.9418,
49.1664

Harmonies

Analogous

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



20.6034, 23.3803, 21.1223



20.0550, 23.3803, 23.8779



20.0725, 23.3803, 27.3138

Triad

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



20.0550, 23.3803, 23.8779



22.8614, 23.3803, 32.3695



23.8701, 23.3803, 20.9933

Complementary

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



20.0550, 23.3803, 23.8779



20.3145, 19.1460, 22.0280

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.



24.5203, 23.3803, 23.6867



20.0550, 23.3803, 23.8779



23.9238, 23.3803, 30.3479

Square

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



20.0550, 23.3803, 23.8779



21.6638, 23.3803, 32.4324



24.5403, 23.3803, 27.1046



22.7903, 23.3803, 19.5614

Rectangle

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



20.0550, 23.3803, 23.8779



20.4019, 23.3803, 29.5392



24.5403, 23.3803, 27.1046



24.1478, 23.3803, 21.7697

Sweetspot

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



20.0557, 23.3813, 23.8784



40.2064, 43.6191, 46.6618



20.6924, 23.8022, 19.7237



8.9571, 9.7533, 10.4105



65.7814, 69.2071, 75.3665



9.5508, 10.0482, 10.9424

Same Dimension

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



20.0557, 23.3813, 23.8784



33.9219, 40.5054, 40.6697



20.5828, 23.3295, 27.4641



5.0824, 5.6525, 5.9552



9.6008, 17.1729, 9.4547



0.0711, 0.1170, 0.1016

Inverse Universe

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



20.3145, 19.1460, 22.0280



34.4670, 31.5889, 36.7747



19.8392, 19.1671, 18.8740



5.1173, 5.0824, 5.7061



10.3649, 5.2561, 4.4259



0.0760, 0.0378, 0.0670

Previews

White Background



This preview shows how the XYZ color 20.0550, 23.3803, 23.8779 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 20.0550, 23.3803, 23.8779 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

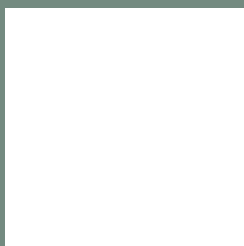
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 20.0550, 23.3803, 23.8779

Background



This preview shows how black text looks on a background with the XYZ color 20.0550, 23.3803, 23.8779.



This preview shows how white text looks on a background with the XYZ color 20.0550, 23.3803,

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

20.0550, 23.3803, 23.8779

Protanopia

22.2695, 23.3016, 22.7260

Deuteranopia

23.6025, 23.1610, 24.3456



Tritanopia

21.3235, 23.2548, 30.5589

Trichromacy



Original Color

20.0550, 23.3803, 23.8779

Protanomaly

21.3443, 23.2237, 23.0963

Deuteranomaly

22.2054, 23.2384, 24.0840

Tritanomaly

20.8005, 23.2543, 27.8183

Monochromacy



Original Color

20.0550, 23.3803, 23.8779

Achromatopsia

21.2178, 22.3228, 24.3095

Achromatomaly

20.8074, 22.7200, 24.0576

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.0550, 23.3803, 23.8779 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(115, 138, 128)` looks like.

```
.text, #text, p{  
    color:rgb(115, 138, 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(115, 138, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(115, 138, 128) }
```

Border

The CSS property to change the border of an element to XYZ 20.0550, 23.3803, 23.8779 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(115, 138, 128) }
```


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

```
.border{ border-color:rgb(115, 138, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(115, 138, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(115, 138, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(115, 138, 128);  
box-shadow:4px 4px 4px 4px rgb(115, 138,  
128) }
```

Background

The CSS property to change the background color of an element to XYZ 20.0550, 23.3803, 23.8779 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(115, 138, 128) }
```

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

```
.background{ background-color: rgb(115,  
138, 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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