

Converting Colors

XYZ(18.8487, 20.3087, 23.1765)

Have a look what the booklet for
XYZ(18.8487, 20.3087, 23.1765)
contains.

XYZ(18.9649, 20.4022, 23.3605)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(18.9649, 20.4022,
23.3605)**

Conversions

Conversions Part 1

Format	Color
Hex	777E80
RGB	119, 126, 128
RGB Percent	47%, 49%, 50%
CMY	0.5333, 0.5059, 0.4980
CMYK	0.07, 0.02, 0.00, 0.50
HSL	193°, 4%, 48%
HSV	193°, 7%, 50%
XYZ	18.9649, 20.4022, 23.3605
YIQ	124.1350, -4.8140, -0.8620

Conversions

Conversions Part 2

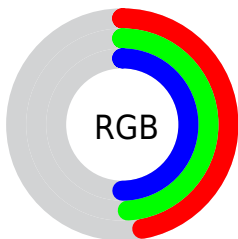
Format	Color
RYB	119, 123, 128
Decimal	7831168
CIELab	52.29, -2.18, -1.99
CIElCh	52, 2.949, 222.462
Yxy	20.4022, 0.3023, 0.3253
Android (android.graphics.Color)	4286021248 (0xFF777E80)
YUV	124.1350, 1.9054, -4.5034
Hunter-Lab	45.1688, -4.0991, 0.9544

Details

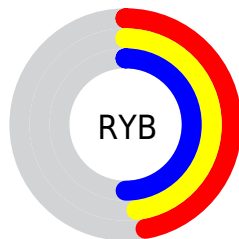
The XYZ color **18.9649, 20.4022, 23.3605** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **19.0693, 19.5956, 20.2304**, and the grayscale version is **19.1987, 20.1985, 21.9962**.

A 20% lighter version of the original color is **41.2552, 44.2343, 50.0798**, and **6.6637, 7.2119, 8.4379** is the 20% darker color. If you saturate the color by 10%, you get **16.9672, 18.8412, 23.1648**, and if you desaturate by 10%, it is **21.2108, 22.1076, 23.5716**.

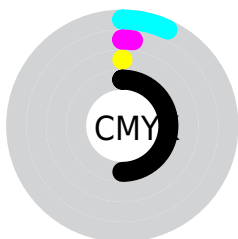
Distribution



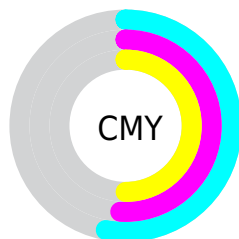
- Red (47%)
- Green (49%)
- Blue (50%)



- Red (47%)
- Yellow (48%)
- Blue (50%)



- Cyan (7%)
- Magenta (2%)
- Yellow (0%)
- Black (50%)



- Cyan (53%)
- Magenta (51%)
- Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.9649, 20.4022, 23.3605 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 18.9649, 20.4022, 23.3605 by changing the saturation by 10% instead.

■ 18.9649, 20.4022,
23.3605

■ 18.9649, 20.4022,
23.3605

239.1968,
254.0842, 282.7529

■ 11.7488, 12.6877,
14.6521

■ 41.1921, 44.0905,
49.9153

■ 6.6438, 7.2139,
8.4317

■ 56.9339, 60.8331,
68.5987

■ 3.2847, 3.5962,
4.2807

■ 76.2483, 81.3539,
91.4443

■ 1.3061, 1.4504,
1.7806

99.5007, 106.0372,
118.8706

■ 0.1877, 0.2534,
0.4151

127.0563,
135.2675, 151.2960

■ 0.0000, 0.0000,
0.0000

159.2807,

169.4292, 189.1392

196.5390,
208.9066, 232.8187

■ 18.9649, 20.4022,
23.3605

■ 18.9649, 20.4022,
23.3605

■ 16.9672, 18.8412,
23.1648

■ 21.2108, 22.1076,
23.5716

■ 15.2063, 17.4169,
22.9827

■ 23.7119, 23.9595,
23.7972

■ 13.6729, 16.1249,
22.8141

■ 26.4775, 25.9632,
24.0382

■ 12.3559, 14.9595,
22.6586

■ 29.5155, 28.1232,
24.2950

■ 11.2437, 13.9144,
22.5155

■ 32.8338, 30.4433,
24.5680

■ 10.3233, 12.9829,
22.3842

■ 36.4397, 32.9277,
24.8575

■ 9.5803, 12.1574,
22.2640

■ 40.3404, 35.5801,
25.1638

■ 8.9979, 11.4291,
22.1541

■ 44.5428, 38.4042,
25.4875

■ 8.5427, 10.7806,
22.0530

■ 49.0535, 41.4035,
25.8286

Harmonies

Analogous

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



18.8282, 20.4022, 22.5767



18.9649, 20.4022, 23.3605



19.2166, 20.4022, 23.8444

Triad

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



18.9649, 20.4022, 23.3605



19.9527, 20.4022, 22.7213



19.2662, 20.4022, 20.6243

Complementary

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



18.9649, 20.4022, 23.3605



19.0693, 19.5956, 20.2304

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.



19.5678, 20.4022, 20.6607



18.9649, 20.4022, 23.3605



19.9663, 20.4022, 21.8563

Square

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



18.9649, 20.4022, 23.3605



19.7878, 20.4022, 23.4688



19.8248, 20.4022, 21.1067



19.0009, 20.4022, 21.0058

Rectangle

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



18.9649, 20.4022, 23.3605



19.4167, 20.4022, 23.9242



19.8248, 20.4022, 21.1067



19.3667, 20.4022, 20.5883

Sweetspot

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



18.9655, 20.4031, 23.3610



35.3065, 37.3864, 41.3117



18.7754, 20.7398, 21.0870



8.2795, 8.7633, 9.6734



62.3462, 65.5931, 71.4309



8.4577, 8.8982, 9.6901

Same Dimension

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



18.9655, 20.4031, 23.3610



32.9637, 35.5926, 41.0890



18.4088, 19.2896, 23.1754



4.3680, 4.7300, 5.4960



8.3442, 10.5068, 21.8382



0.0000, 0.0000, 0.0000

Inverse Universe

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



19.2653, 19.2896, 22.4476



33.5750, 33.3333, 39.2240



19.6229, 20.7028, 20.4149



4.4586, 4.3966, 5.2194



11.0887, 5.4552, 12.3229



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 18.9649, 20.4022, 23.3605 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 18.9649, 20.4022, 23.3605 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

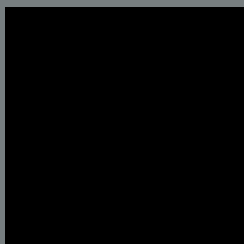
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

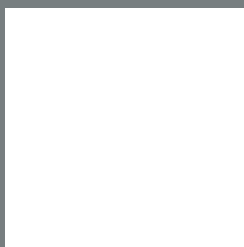
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 18.9649, 20.4022, 23.3605

Background



This preview shows how black text looks on a background with the XYZ color 18.9649, 20.4022, 23.3605.



This preview shows how white text looks on a background with the XYZ color 18.9649, 20.4022,

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

18.9649, 20.4022, 23.3605

Protanopia

19.6426, 20.3832, 22.9778

Deuteranopia

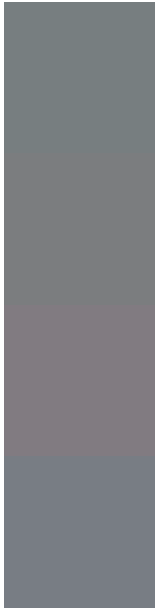
20.7915, 20.4106, 23.6127



Tritanopia

19.4525, 20.4096, 25.8359

Trichromacy



Original Color

18.9649, 20.4022, 23.3605

Protanomaly

19.3328, 20.4105, 22.9993

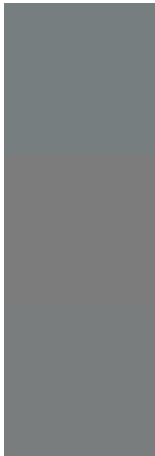
Deuteranomaly

20.0987, 20.4180, 23.6506

Tritanomaly

19.2442, 20.3262, 24.7389

Monochromacy



Original Color

18.9649, 20.4022, 23.3605

Achromatopsia

19.1579, 20.1556, 21.9495

Achromatomaly

19.0613, 20.2855, 22.3129

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.9649, 20.4022, 23.3605 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(119, 126, 128)` looks like.

```
.text, #text, p{  
    color:rgb(119, 126, 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(119, 126, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 126, 128) }
```

Border

The CSS property to change the border of an element to XYZ 18.9649, 20.4022, 23.3605 is called "border". The border property can be set on classes, ids or directly on the HTML element.

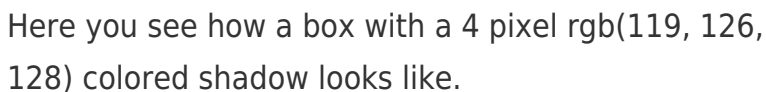
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(119, 126, 128) }
```


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

```
.border{ border-color:rgb(119, 126, 128) }
```

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



Here you see how a box with a 4 pixel `rgb(119, 126, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(119, 126, 128); -webkit-box-shadow:4px 4px 4px 4px rgb(119, 126, 128); box-shadow:4px 4px 4px 4px rgb(119, 126, 128) }
```

Background

The CSS property to change the background color of an element to XYZ 18.9649, 20.4022, 23.3605 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 126, 128) }
```

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

```
.background{ background-color: rgb(119,  
126, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor