

Converting Colors

XYZ(18.2549, 19.8602, 22.2566)

Have a look what the booklet for
XYZ(18.2549, 19.8602, 22.2566)
contains.

XYZ(18.2377, 19.8609, 22.2743)	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(18.2377, 19.8609,
22.2743)**

Conversions

Conversions Part 1

Format	Color
Hex	747D7D
RGB	116, 125, 125
RGB Percent	45%, 49%, 49%
CMY	0.5451, 0.5098, 0.5098
CMYK	0.07, 0.00, 0.00, 0.51
HSL	180°, 4%, 47%
HSV	180°, 7%, 49%
XYZ	18.2377, 19.8609, 22.2743
YIQ	122.3090, -5.3640, -1.9080

Conversions

Conversions Part 2

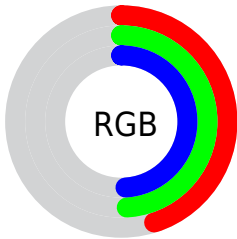
Format	Color
R_{YB}	116, 121, 125
Decimal	7634301
CIE _{Lab}	51.68, -3.33, -1.16
CIE _{LCh}	52, 3.527, 199.135
Yxy	19.8609, 0.3021, 0.3290
Android (android.graphics.Color)	4285824381 (0xFF747D7D)
YUV	122.3090, 1.3267, -5.5330
Hunter-Lab	44.5656, -4.9417, 1.5622

Details

The XYZ color **18.2377, 19.8609, 22.2743** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **17.8559, 18.1122, 19.0788**, and the grayscale version is **18.5972, 19.5657, 21.3070**.

A 20% lighter version of the original color is **40.1047, 43.3800, 48.3789**, and **6.2728, 6.9196, 7.8425** is the 20% darker color. If you saturate the color by 10%, you get **16.6866, 19.0619, 22.2011**, and if you desaturate by 10%, it is **20.0136, 20.7769, 22.3589**.

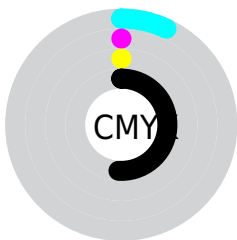
Distribution



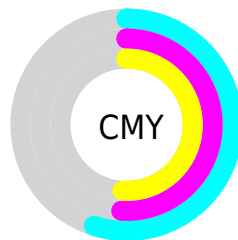
- Red (45%)
- Green (49%)
- Blue (49%)



- Red (45%)
- Yellow (47%)
- Blue (49%)



- Cyan (7%)
- Magenta (0%)
- Yellow (0%)
- Black (51%)



- Cyan (55%)
- Magenta (51%)
- Yellow (51%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.2377, 19.8609, 22.2743 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 18.2377, 19.8609, 22.2743 by changing the saturation by 10% instead.

■ 18.2377, 19.8609,
22.2743

■ 18.2377, 19.8609,
22.2743

235.2272,
251.1611, 276.9755

■ 11.2215, 12.2940,
13.8583

■ 39.9689, 43.1839,
48.1069

■ 6.2844, 6.9442,
7.8846

■ 55.4145, 59.7087,
66.3607

■ 3.0611, 3.4272,
3.9345

■ 74.4007, 79.9882,
88.7308

■ 1.1861, 1.3586,
1.5895

97.2928, 104.4069,
115.6358

■ 0.0954, 0.1859,
0.2833

124.4562,
133.3492, 147.4942

■ 0.0000, 0.0000,
0.0000

156.2561,

167.1994, 184.7246

193.0580,
206.3419, 227.7455

■ 18.2377, 19.8609,
22.2743

■ 18.2377, 19.8609,
22.2743

■ 16.6866, 19.0619,
22.2011

■ 20.0136, 20.7769,
22.3589

■ 15.3497, 18.3727,
22.1375

■ 22.0208, 21.8117,
22.4539

■ 14.2181, 17.7893,
22.0835

■ 24.2681, 22.9701,
22.5601

■ 13.2816, 17.3066,
22.0386

■ 26.7628, 24.2562,
22.6779

■ 12.5293, 16.9188,
22.0023

■ 29.5123, 25.6736,
22.8076

■ 11.9489, 16.6196,
21.9741

■ 32.5234, 27.2259,
22.9496

■ 11.5270, 16.4021,
21.9533

■ 35.8029, 28.9165,
23.1041

■ 11.2478, 16.2582,
21.9392

■ 39.3571, 30.7487,
23.2715

■ 11.0777, 16.1705,
21.9302

■ 43.1924, 32.7258,
23.4520

Harmonies

Analogous

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



18.2127, 19.8609, 21.2576



18.2377, 19.8609, 22.2743



18.4328, 19.8609, 23.1422

Triad

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



18.2377, 19.8609, 22.2743



19.3997, 19.8609, 22.9336



19.0065, 19.8609, 19.7560

Complementary

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



18.2377, 19.8609, 22.2743



17.8559, 18.1122, 19.0788

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.



19.3287, 19.8609, 20.1759



18.2377, 19.8609, 22.2743



19.5576, 19.8609, 21.9969

Square

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



18.2377, 19.8609, 22.2743



19.1025, 19.8609, 23.5311



19.5315, 19.8609, 20.9887



18.6536, 19.8609, 19.8250

Rectangle

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



18.2377, 19.8609, 22.2743



18.6344, 19.8609, 23.5097



19.5315, 19.8609, 20.9887



19.1221, 19.8609, 19.8441

Sweetspot

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



18.2383, 19.8617, 22.2747



34.2459, 36.3839, 39.9618



17.7089, 19.6523, 19.3831



7.8006, 8.2816, 9.0904



60.6688, 63.8283, 69.5090



7.9400, 8.3535, 9.0970

Same Dimension

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



18.2383, 19.8617, 22.2747



32.0668, 35.2606, 39.8585



17.6996, 18.7841, 22.0959



4.4464, 4.8869, 5.5219



11.5155, 16.8528, 22.8849



0.0000, 0.0000, 0.0000

Inverse Universe

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



17.8559, 18.1122, 19.0788



31.2019, 31.3029, 32.6290



18.3692, 19.1389, 19.2492



4.3278, 4.3443, 4.5308



8.8272, 4.5506, 0.4140



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 18.2377, 19.8609, 22.2743 looks on a white background.

Color Contrast Check

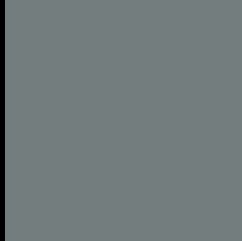
Large Text (above 18pt) WCAG AA ✓ Pass

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 18.2377, 19.8609, 22.2743 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

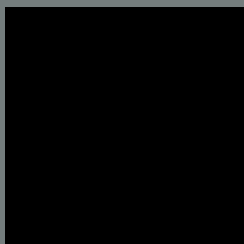
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

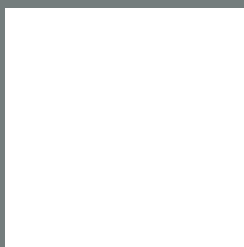
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 18.2377, 19.8609, 22.2743

Background



This preview shows how black text looks on a background with the XYZ color 18.2377, 19.8609, 22.2743.



This preview shows how white text looks on a background with the XYZ color 18.2377, 19.8609,

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

18.2377, 19.8609, 22.2743

Protanopia

19.0551, 19.7343, 21.8736

Deuteranopia

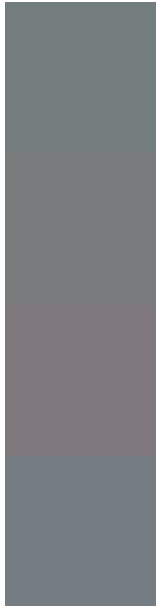
20.0356, 19.6866, 22.4826



Tritanopia

18.7774, 19.8907, 25.0399

Trichromacy



Original Color

18.2377, 19.8609, 22.2743

Protanomaly

18.7471, 19.7587, 21.8945

Deuteranomaly

19.3557, 19.6931, 22.5197

Tritanomaly

18.5730, 19.8089, 23.9637

Monochromacy



Original Color

18.2377, 19.8609, 22.2743

Achromatopsia

18.4984, 19.4618, 21.1939

Achromatomaly

18.4038, 19.5890, 21.5500

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.2377, 19.8609, 22.2743 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(116, 125, 125) looks like.

```
.text, #text, p{  
    color:rgb(116, 125, 125)  
}
```

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(116, 125, 125) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 125, 125) }
```

Border

The CSS property to change the border of an element to XYZ 18.2377, 19.8609, 22.2743 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(116, 125, 125) }
```


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

```
.border{ border-color:rgb(116, 125, 125) }
```

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

Here you see how a box with a 4 pixel `rgb(116, 125, 125)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 125, 125); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 125, 125);  
box-shadow:4px 4px 4px 4px rgb(116, 125,  
125) }
```

Background

The CSS property to change the background color of an element to XYZ 18.2377, 19.8609, 22.2743 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 125, 125) }
```

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

```
.background{ background-color: rgb(116,  
125, 125) }
```

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