

Converting Colors

XYZ(18.1832, 22.3123, 18.6628)

Have a look what the booklet for
XYZ(18.1832, 22.3123, 18.6628)
contains.

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Color

**XYZ(18.1770, 22.3124,
18.6779)**

Conversions

Conversions Part 1

Format	Color
Hex	6D8970
RGB	109, 137, 112
RGB Percent	43%, 54%, 44%
CMY	0.5725, 0.4627, 0.5608
CMYK	0.20, 0.00, 0.18, 0.46
HSL	126°, 11%, 48%
HSV	126°, 20%, 54%
XYZ	18.1770, 22.3124, 18.6779
YIQ	125.7780, -8.6630, -13.7110

Conversions

Conversions Part 2

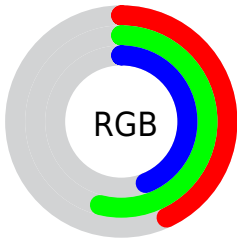
Format	Color
R_{YB}	109, 134, 137
Decimal	7178608
CIE _{Lab}	54.36, -15.19, 10.18
CIE _{LCh}	54, 18.287, 146.180
Yxy	22.3124, 0.3072, 0.3771
Android (android.graphics.Color)	4285368688 (0xFF6D8970)
YUV	125.7780, -6.7926, -14.7143
Hunter-Lab	47.2360, -13.9740, 9.6210

Details

The XYZ color **18.1770, 22.3124, 18.6779** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **20.0891, 17.9775, 24.9666**, and the grayscale version is **19.7808, 20.8109, 22.6631**.

A 20% lighter version of the original color is **39.8122, 47.0843, 42.1118**, and **6.2581, 8.1787, 6.0993** is the 20% darker color. If you saturate the color by 10%, you get **15.9858, 21.2568, 15.2584**, and if you desaturate by 10%, it is **20.7247, 23.5423, 22.5982**.

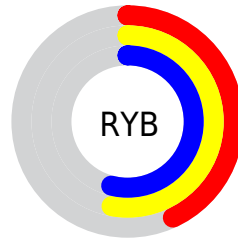
Distribution



Red (43%)

Green (54%)

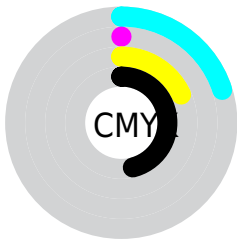
Blue (44%)



Red (43%)

Yellow (53%)

Blue (54%)

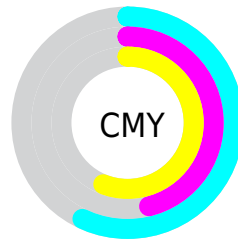


Cyan (20%)

Magenta (0%)

Yellow (18%)

Black (46%)



Cyan (57%)

Magenta (46%)

Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.1770, 22.3124, 18.6779 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 18.1770, 22.3124, 18.6779 by changing the saturation by 10% instead.

■ 18.1770, 22.3124,
18.6779

■ 18.1770, 22.3124,
18.6779

234.8932,
264.1734, 257.0280

■ 11.1776, 14.0866,
11.2633

■ 39.8664, 47.2618,
42.0185

■ 6.2546, 8.1809,
6.1278

■ 55.2871, 64.7542,
58.7817

■ 3.0426, 4.2109,
2.8529

■ 74.2457, 86.1043,
79.4981

■ 1.1763, 1.7923,
1.0200

■ 97.1074, 111.6964,
104.5863

■ 0.0876, 0.4823,
0.0000

124.2377,
141.9150, 134.4648

■ 0.0000, 0.0000,
0.0000

156.0018,

177.1444, 169.5523

192.7652,
217.7691, 210.2671

■ 18.1770, 22.3124,
18.6779

■ 18.1770, 22.3124,
18.6779

■ 15.9858, 21.2568,
15.2584

■ 20.7247, 23.5423,
22.5982

■ 14.1334, 20.3651,
12.3180

■ 23.6420, 24.9510,
27.0366

■ 12.6034, 19.6297,
9.8358

■ 26.9434, 26.5462,
32.0117

■ 11.3774, 19.0417,
7.7888

■ 30.6421, 28.3345,
37.5405

■ 10.4347, 18.5910,
6.1518

■ 34.7510, 30.3219,
43.6395

■ 9.7525, 18.2664,
4.8971

■ 39.2819, 32.5144,
50.3242

■ 9.3042, 18.0548,
3.9938

■ 44.2465, 34.9177,
57.6097

■ 9.0300, 17.9258,
3.4241

■ 49.6560, 37.5371,
65.5106

■ 55.5210, 40.3779,
74.0408

Harmonies

Analogous

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



19.5593, 22.3124, 15.7081



18.1770, 22.3124, 18.6779



17.6051, 22.3124, 23.5698

Triad

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



18.1770, 22.3124, 18.6779



20.9527, 22.3124, 36.9889



24.8398, 22.3124, 19.7621

Complementary

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



18.1770, 22.3124, 18.6779



20.0891, 17.9775, 24.9666

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.



25.2701, 22.3124, 25.0337



18.1770, 22.3124, 18.6779



22.9453, 22.3124, 35.5485

Square

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



18.1770, 22.3124, 18.6779



19.1429, 22.3124, 34.6135



24.5569, 22.3124, 30.9371



23.4150, 22.3124, 16.2618

Rectangle

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



18.1770, 22.3124, 18.6779



17.7321, 22.3124, 27.4866



24.5569, 22.3124, 30.9371



25.1092, 22.3124, 21.3595

Sweetspot

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



18.1776, 22.3133, 18.6784



39.2794, 43.2042, 43.7743



21.5704, 24.0814, 17.9796



8.7481, 9.6605, 9.7239



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.



18.1776, 22.3133, 18.6784



30.4667, 38.9522, 30.2072



19.0061, 22.6447, 23.0410



4.9922, 5.6164, 5.4801



8.4135, 16.6980, 3.2024



0.0583, 0.1119, 0.0342

Inverse Universe

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



20.0891, 17.9775, 24.9666



34.5955, 29.5849, 43.7881



19.1882, 17.6171, 20.2227



5.2112, 5.1199, 6.2004



12.9033, 6.2714, 17.7931



0.0888, 0.0429, 0.1344

Previews

White Background



This preview shows how the XYZ color 18.1770, 22.3124, 18.6779 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 18.1770, 22.3124, 18.6779 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 18.1770, 22.3124, 18.6779

Background



This preview shows how black text looks on a background with the XYZ color 18.1770, 22.3124, 18.6779.



This preview shows how white text looks on a background with the XYZ color 18.1770, 22.3124,

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

18.1770, 22.3124, 18.6779

Protanopia

20.8736, 22.1016, 17.3532

Deuteranopia

22.6409, 22.2009, 19.3116



Tritanopia

20.2849, 22.3356, 29.2287

Trichromacy



Original Color

18.1770, 22.3124, 18.6779

Protanomaly

19.7640, 22.1187, 17.6957

Deuteranomaly

20.7190, 21.9838, 19.0709

Tritanomaly

19.3720, 22.1609, 25.0863

Monochromacy



Original Color

18.1770, 22.3124, 18.6779

Achromatopsia

19.8309, 20.8637, 22.7206

Achromatomaly

19.1796, 21.3388, 21.1971

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.1770, 22.3124, 18.6779 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(109, 137, 112)` looks like.

```
.text, #text, p{  
    color:rgb(109, 137, 112)  
}
```

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(109, 137, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 137, 112) }
```

Border

The CSS property to change the border of an element to XYZ 18.1770, 22.3124, 18.6779 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(109, 137, 112) }
```


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

```
.border{ border-color:rgb(109, 137, 112) }
```

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

Here you see how a box with a 4 pixel `rgb(109, 137, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(109, 137, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(109, 137, 112);  
box-shadow:4px 4px 4px 4px rgb(109, 137,  
112) }
```

Background

The CSS property to change the background color of an element to XYZ 18.1770, 22.3124, 18.6779 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 137, 112) }
```

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

```
.background{ background-color: rgb(109,  
137, 112) }
```

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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