

Converting Colors

XYZ(18.4413, 22.6972, 21.1921)

Have a look what the booklet for
XYZ(18.4413, 22.6972, 21.1921)
contains.

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Color

**XYZ(18.4225, 22.5972,
21.1600)**

Conversions

Conversions Part 1

Format	Color
Hex	6A8A78
RGB	106, 138, 120
RGB Percent	42%, 54%, 47%
CMY	0.5843, 0.4588, 0.5294
CMYK	0.23, 0.00, 0.13, 0.46
HSL	146°, 13%, 48%
HSV	146°, 23%, 54%
XYZ	18.4225, 22.5972, 21.1600
YIQ	126.3800, -13.2940, -12.3820

Conversions

Conversions Part 2

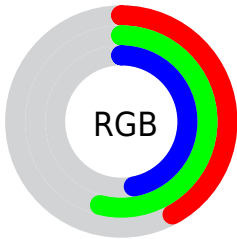
Format	Color
R_{YB}	106, 128, 138
Decimal	6982264
CIE _{Lab}	54.65, -15.19, 5.97
CIE _{LCh}	55, 16.319, 158.530
Yxy	22.5972, 0.2963, 0.3634
Android (android.graphics.Color)	4285172344 (0xFF6A8A78)
YUV	126.3800, -3.1453, -17.8733
Hunter-Lab	47.5365, -14.0123, 6.8837

Details

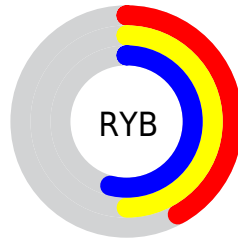
The XYZ color **18.4225, 22.5972, 21.1600** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **19.2742, 17.1671, 21.3675**, and the grayscale version is **19.9747, 21.0150, 22.8853**.

A 20% lighter version of the original color is **40.3966, 47.9469, 46.1553**, and **6.4043, 8.3469, 7.4045** is the 20% darker color. If you saturate the color by 10%, you get **16.4605, 21.6386, 18.7079**, and if you desaturate by 10%, it is **20.6879, 23.7090, 23.8267**.

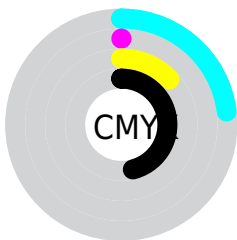
Distribution



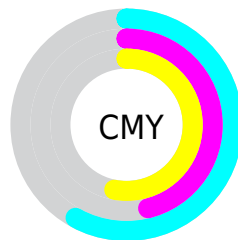
- Red (42%)
- Green (54%)
- Blue (47%)



- Red (42%)
- Yellow (50%)
- Blue (54%)



- Cyan (23%)
- Magenta (0%)
- Yellow (13%)
- Black (46%)



- Cyan (58%)
- Magenta (46%)
- Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.4225, 22.5972, 21.1600 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 18.4225, 22.5972, 21.1600 by changing the saturation by 10% instead.

■ 18.4225, 22.5972,
21.1600

■ 18.4225, 22.5972,
21.1600

236.2416,
265.6493, 270.9365

■ 11.3553, 14.2964,
13.0486

■ 40.2804, 47.7311,
46.2379

■ 6.3754, 8.3271,
7.3309

■ 55.8018, 65.3329,
64.0415

■ 3.1175, 4.3049,
3.5883

■ 74.8720, 86.8039,
85.9130

■ 1.2162, 1.8456,
1.4023

■ 97.8562, 112.5283,
112.2708

■ 0.1191, 0.5153,
0.1435

125.1200,
142.8907, 143.5335

■ 0.0000, 0.0000,
0.0000

157.0285,

178.2754, 180.1197

193.9473,
219.0668, 222.4478

■ 18.4225, 22.5972,
21.1600

■ 18.4225, 22.5972,
21.1600

■ 16.4605, 21.6386,
18.7079

■ 20.6879, 23.7090,
23.8267

■ 14.7866, 20.8236,
16.4636

■ 23.2674, 24.9776,
26.7116

■ 13.3868, 20.1457,
14.4219

■ 26.1737, 26.4101,
29.8202

■ 12.2451, 19.5968,
12.5771

■ 29.4179, 28.0120,
33.1572

■ 11.3440, 19.1680,
10.9231

■ 33.0108, 29.7889,
36.7273

■ 10.6635, 18.8490,
9.4533

■ 36.9625, 31.7459,
40.5351

■ 10.1799, 18.6278,
8.1608

■ 41.2830, 33.8880,
44.5848

■ 9.9144, 18.5080,
7.3766

■ 45.9816, 36.2200,
48.8808

■ 51.0674, 38.7465,
53.4271

Harmonies

Analogous

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



19.3982, 22.5972, 17.6517



18.4225, 22.5972, 21.1600



18.2413, 22.5972, 26.1006

Triad

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



18.4225, 22.5972, 21.1600



21.9942, 22.5972, 35.7357



24.2936, 22.5972, 18.9447

Complementary

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



18.4225, 22.5972, 21.1600



19.2742, 17.1671, 21.3675

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.



25.0765, 22.5972, 23.1667



18.4225, 22.5972, 21.1600



23.7013, 22.5972, 33.1785

Square

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



18.4225, 22.5972, 21.1600



20.2389, 22.5972, 35.0011



24.8539, 22.5972, 28.4039



22.7666, 22.5972, 16.5021

Rectangle

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



18.4225, 22.5972, 21.1600



18.5852, 22.5972, 29.6359



24.8539, 22.5972, 28.4039



24.6563, 22.5972, 20.1775

Sweetspot

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



18.4231, 22.5981, 21.1605



39.1427, 43.1059, 45.0212



20.0223, 23.5136, 17.1193



8.7315, 9.6448, 10.0445



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.



18.4231, 22.5981, 21.1605



30.5366, 38.8842, 34.9129



19.4676, 23.0159, 26.6604



5.0568, 5.6422, 5.8201



9.0968, 16.9713, 6.8005



0.0676, 0.1156, 0.0828

Inverse Universe

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



19.2742, 17.1671, 21.3675



32.3169, 27.5205, 35.3439



18.3498, 16.7974, 16.5000



5.1429, 5.0926, 5.8412



10.8659, 5.4565, 7.0640



0.0796, 0.0392, 0.0858

Previews

White Background



This preview shows how the XYZ color 18.4225, 22.5972, 21.1600 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 18.4225, 22.5972, 21.1600 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

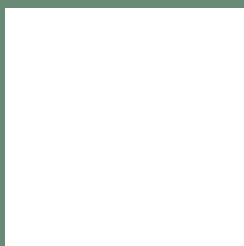
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 18.4225, 22.5972, 21.1600

Background



This preview shows how black text looks on a background with the XYZ color 18.4225, 22.5972, 21.1600.



This preview shows how white text looks on a background with the XYZ color 18.4225, 22.5972,

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

18.4225, 22.5972, 21.1600

Protanopia

21.2884, 22.4605, 19.7363

Deuteranopia

22.8901, 22.4628, 21.8682



Tritanopia

20.1915, 22.4740, 30.0618

Trichromacy



Original Color

18.4225, 22.5972, 21.1600

Protanomaly

20.0559, 22.4194, 20.0999

Deuteranomaly

20.8556, 22.1957, 21.5973

Tritanomaly

19.4146, 22.3567, 26.5846

Monochromacy



Original Color

18.4225, 22.5972, 21.1600

Achromatopsia

19.8309, 20.8637, 22.7206

Achromatomaly

19.2285, 21.3424, 22.1748

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.4225, 22.5972, 21.1600 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(106, 138, 120)` looks like.

```
.text, #text, p{  
    color:rgb(106, 138, 120)  
}
```

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(106, 138, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 138, 120) }
```

Border

The CSS property to change the border of an element to XYZ 18.4225, 22.5972, 21.1600 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(106, 138, 120) }
```


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

```
.border{ border-color:rgb(106, 138, 120) }
```

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

Here you see how a box with a 4 pixel `rgb(106, 138, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(106, 138, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(106, 138, 120);  
box-shadow:4px 4px 4px 4px rgb(106, 138,  
120) }
```

Background

The CSS property to change the background color of an element to XYZ 18.4225, 22.5972, 21.1600 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(106, 138, 120) }
```

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

```
.background{ background-color: rgb(106,  
138, 120) }
```

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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