

Converting Colors

XYZ(21.8470, 23.7199, 30.7030)

Have a look what the booklet for
XYZ(21.8470, 23.7199, 30.7030)
contains.

XYZ(21.8776, 23.7486, 30.6250)	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(21.8776, 23.7486,
30.6250)**

Conversions

Conversions Part 1

Format	Color
Hex	798892
RGB	121, 136, 146
RGB Percent	47%, 53%, 57%
CMY	0.5255, 0.4667, 0.4274
CMYK	0.17, 0.07, 0.00, 0.43
HSL	204°, 10%, 52%
HSV	204°, 17%, 57%
XYZ	21.8776, 23.7486, 30.6250
YIQ	132.6550, -12.1500, -0.0700

Conversions

Conversions Part 2

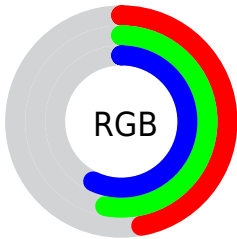
Format	Color
R_{YB}	121, 130, 146
Decimal	7964818
CIE _{Lab}	55.84, -3.21, -7.19
CIE _{LCh}	56, 7.870, 245.930
Yxy	23.7486, 0.2869, 0.3115
Android (android.graphics.Color)	4286154898 (0xFF798892)
YUV	132.6550, 6.5791, -10.2214
Hunter-Lab	48.7325, -5.1476, -3.1469

Details

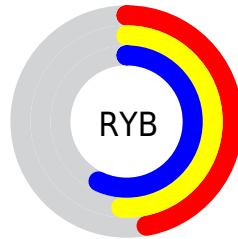
The XYZ color **21.8776, 23.7486, 30.6250** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **23.4217, 23.7239, 21.4343**, and the grayscale version is **22.1496, 23.3031, 25.3770**.

A 20% lighter version of the original color is **46.0785, 49.5640, 61.7818**, and **8.1116, 8.8778, 12.3524** is the 20% darker color. If you saturate the color by 10%, you get **19.1845, 21.1732, 30.2702**, and if you desaturate by 10%, it is **24.9266, 26.5753, 31.0103**.

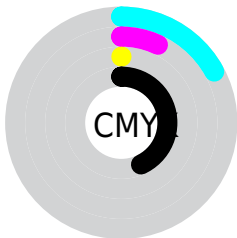
Distribution



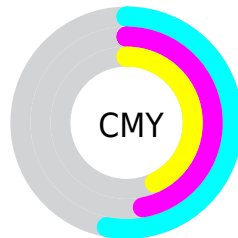
- Red (47%)
- Green (53%)
- Blue (57%)



- Red (47%)
- Yellow (51%)
- Blue (57%)



- Cyan (17%)
- Magenta (7%)
- Yellow (0%)
- Black (43%)



- Cyan (53%)
- Magenta (47%)
- Yellow (43%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.8776, 23.7486, 30.6250 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 21.8776, 23.7486, 30.6250 by changing the saturation by 10% instead.

■ 21.8776, 23.7486,
30.6250

■ 21.8776, 23.7486,
30.6250

254.5508,
271.5470, 319.1045

■ 13.8831, 15.1472,
20.0574

■ 46.0240, 49.6196,
61.7218

■ 8.1206, 8.9228,
12.2523

■ 62.9065, 67.6581,
83.0881

■ 4.2246, 4.6909,
6.7911

■ 83.4825, 89.6111,
108.8911

■ 1.8300, 2.0670,
3.2553

108.1172,
115.8629, 139.5492

■ 0.5356, 0.6460,
1.2265

137.1761,
146.7980, 175.4811

■ 0.0000, 0.0000,
0.0003

171.0244,

■ 0.0000, 0.0000,

182.8008, 217.1052

0.0000

210.0275,
224.2557, 264.8402

■ 21.8776, 23.7486,
30.6250

■ 21.8776, 23.7486,
30.6250

■ 19.1845, 21.1732,
30.2702

■ 24.9266, 26.5753,
31.0103

■ 16.8307, 18.8374,
29.9434

■ 28.3431, 29.6583,
31.4253

■ 14.8011, 16.7333,
29.6443

■ 32.1406, 33.0064,
31.8714

■ 13.0788, 14.8508,
29.3717

■ 36.3316, 36.6267,
32.3493

■ 11.6451, 13.1793,
29.1246

■ 40.9277, 40.5264,
32.8598

■ 10.4793, 11.7069,
28.9019

■ 45.9401, 44.7121,
33.4035

■ 9.5571, 10.4199,
28.7020

■ 51.3795, 49.1903,
33.9812

■ 8.8377, 9.2960,
28.5230

■ 57.2563, 53.9673,
34.5935

■ 8.6464, 8.9914,
28.4743

■ 63.5805, 59.0490,
35.2410

Harmonies

Analogous

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



21.2071, 23.7486, 28.8598



21.8776, 23.7486, 30.6250



22.7506, 23.7486, 31.0775

Triad

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



21.8776, 23.7486, 30.6250



24.3279, 23.7486, 25.3523



21.5774, 23.7486, 22.0686

Complementary

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



21.8776, 23.7486, 30.6250



23.4217, 23.7239, 21.4343

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.



22.3950, 23.7486, 21.2586



21.8776, 23.7486, 30.6250



23.9949, 23.7486, 23.0722

Square

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



21.8776, 23.7486, 30.6250



24.1806, 23.7486, 27.9212



23.2816, 23.7486, 21.6136



21.0370, 23.7486, 23.8994

Rectangle

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



21.8776, 23.7486, 30.6250



23.3333, 23.7486, 30.5494



23.2816, 23.7486, 21.6136



21.8281, 23.7486, 21.6737

Sweetspot

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



21.8783, 23.7496, 30.6255



45.1381, 47.9437, 54.8486



22.2330, 26.2505, 25.2204



9.9608, 10.5922, 12.1917



69.3244, 72.9347, 79.4259



10.7221, 11.2805, 12.2844

Same Dimension

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



21.8783, 23.7496, 30.6255



36.4758, 39.8881, 53.7502



20.2711, 20.5351, 30.0898



5.7715, 6.1769, 7.3578



7.6309, 7.9565, 25.0646



0.1223, 0.1552, 0.3164

Inverse Universe

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



23.1359, 21.5638, 26.2365



39.1995, 35.3099, 44.2098



25.1406, 27.1618, 22.0073



5.9381, 5.8703, 6.7801



11.9788, 5.9966, 8.6353



0.1612, 0.0792, 0.1826

Previews

White Background



This preview shows how the XYZ color 21.8776, 23.7486, 30.6250 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 21.8776, 23.7486, 30.6250 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

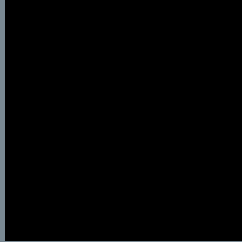
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

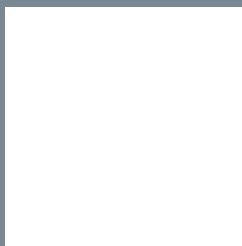
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 21.8776, 23.7486, 30.6250

Background



This preview shows how black text looks on a background with the XYZ color 21.8776, 23.7486, 30.6250.

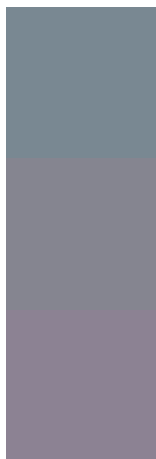


This preview shows how white text looks on a background with the XYZ color 21.8776, 23.7486,

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

21.8776, 23.7486, 30.6250

Protanopia

23.0944, 23.7752, 29.7574

Deuteranopia

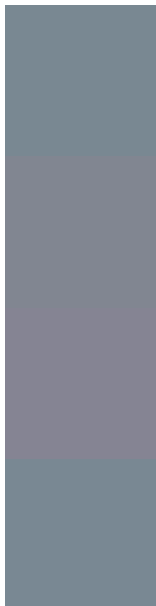
24.0643, 23.6473, 30.8998



Tritanopia

21.9558, 23.7799, 31.0365

Trichromacy



Original Color

21.8776, 23.7486, 30.6250

Protanomaly

22.6892, 23.7617, 30.1787

Deuteranomaly

23.1906, 23.5957, 30.9359

Tritanomaly

21.9558, 23.7799, 31.0365

Monochromacy



Original Color

21.8776, 23.7486, 30.6250

Achromatopsia

22.2940, 23.4551, 25.5426

Achromatomaly

22.1658, 23.5523, 27.4225

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.8776, 23.7486, 30.6250 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(121, 136, 146)` looks like.

```
.text, #text, p{  
    color:rgb(121, 136, 146)  
}
```

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(121, 136, 146) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(121, 136, 146) }
```

Border

The CSS property to change the border of an element to XYZ 21.8776, 23.7486, 30.6250 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(121, 136, 146) }
```


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

```
.border{ border-color:rgb(121, 136, 146) }
```

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

Here you see how a box with a 4 pixel `rgb(121, 136, 146)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(121, 136, 146); -webkit-box-  
shadow:4px 4px 4px 4px rgb(121, 136, 146);  
box-shadow:4px 4px 4px 4px rgb(121, 136,  
146) }
```

Background

The CSS property to change the background color of an element to XYZ 21.8776, 23.7486, 30.6250 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(121, 136, 146) }
```

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

```
.background{ background-color: rgb(121,  
136, 146) }
```

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