

Converting Colors

XYZ(21.2360, 23.7569, 30.5517)

Have a look what the booklet for
XYZ(21.2360, 23.7569, 30.5517)
contains.

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Color

**XYZ(21.3470, 23.8971,
30.6816)**

Conversions

Conversions Part 1

Format	Color
Hex	738A92
RGB	115, 138, 146
RGB Percent	45%, 54%, 57%
CMY	0.5490, 0.4588, 0.4274
CMYK	0.21, 0.05, 0.00, 0.43
HSL	195°, 12%, 51%
HSV	195°, 21%, 57%
XYZ	21.3470, 23.8971, 30.6816
YIQ	132.0350, -16.2760, -2.3880

Conversions

Conversions Part 2

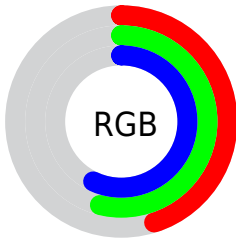
Format	Color
R _{YB}	115, 128, 146
Decimal	7572114
CIE Lab	55.98, -6.35, -7.01
CIE LCh	56, 9.458, 227.817
Yxy	23.8971, 0.2812, 0.3147
Android (android.graphics.Color)	4285762194 (0xFF738A92)
YUV	132.0350, 6.8847, -14.9397
Hunter-Lab	48.8847, -7.6006, -2.9931

Details

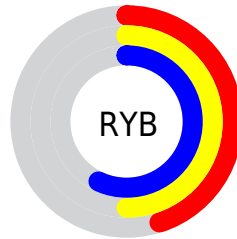
The XYZ color **21.3470, 23.8971, 30.6816** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **22.0317, 21.5147, 19.2117**, and the grayscale version is **21.9255, 23.0673, 25.1203**.

A 20% lighter version of the original color is **44.9925, 49.6472, 61.8551**, and **7.8478, 8.9822, 12.3865** is the 20% darker color. If you saturate the color by 10%, you get **19.0462, 21.9231, 30.4222**, and if you desaturate by 10%, it is **23.9721, 26.0673, 30.9625**.

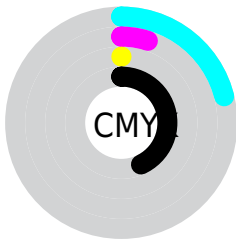
Distribution



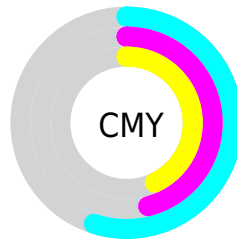
- Red (45%)
- Green (54%)
- Blue (57%)



- Red (45%)
- Yellow (50%)
- Blue (57%)



- Cyan (21%)
- Magenta (5%)
- Yellow (0%)
- Black (43%)



- Cyan (55%)
- Magenta (46%)
- Yellow (43%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.3470, 23.8971, 30.6816 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 21.3470, 23.8971, 30.6816 by changing the saturation by 10% instead.

■ 21.3470, 23.8971,
30.6816

■ 21.3470, 23.8971,
30.6816

251.8139,
272.2998, 319.3744

■ 13.4918, 15.2573,
20.1001

■ 45.1513, 49.8622,
61.8121

■ 7.8474, 9.0002,
12.2830

■ 61.8310, 67.9564,
83.1982

■ 4.0484, 4.7413,
6.8119

■ 82.1830, 89.9707,
109.0229

■ 1.7296, 2.0963,
3.2681

106.5726,
116.2897, 139.7048

■ 0.4747, 0.6625,
1.2331

135.3651,
147.2977, 175.6623

■ 0.0000, 0.0000,
0.0060

168.9259,

■ 0.0000, 0.0000,

183.3791, 217.3140

0.0000

207.6204,
224.9184, 265.0786

■ 21.3470, 23.8971,
30.6816

■ 21.3470, 23.8971,
30.6816

■ 19.0462, 21.9231,
30.4222

■ 23.9721, 26.0673,
30.9625

■ 17.0530, 20.1347,
30.1821

■ 26.9329, 28.4380,
31.2641

■ 15.3527, 18.5245,
29.9609

■ 30.2427, 31.0171,
31.5874

■ 13.9280, 17.0834,
29.7578

■ 33.9138, 33.8111,
31.9332

■ 12.7601, 15.8013,
29.5719

■ 37.9574, 36.8260,
32.3020

■ 11.8276, 14.6671,
29.4021

■ 42.3846, 40.0678,
32.6944

■ 11.1053, 13.6672,
29.2472

■ 47.2058, 43.5421,
33.1109

■ 10.5860, 12.8706,
29.1208

■ 52.4311, 47.2544,
33.5521

■ 58.0702, 51.2100,
34.0184

Harmonies

Analogous

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



20.7928, 23.8971, 27.8828



21.3470, 23.8971, 30.6816



22.2779, 23.8971, 32.2787

Triad

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



21.3470, 23.8971, 30.6816



24.8050, 23.8971, 27.2956



22.0838, 23.8971, 20.7573

Complementary

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



21.3470, 23.8971, 30.6816



22.0317, 21.5147, 19.2117

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.



23.1547, 23.8971, 20.6274



21.3470, 23.8971, 30.6816



24.7490, 23.8971, 24.2418

Square

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



21.3470, 23.8971, 30.6816



24.2877, 23.8971, 30.2225



24.1371, 23.8971, 21.8560



21.2088, 23.8971, 22.2261

Rectangle

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



21.3470, 23.8971, 30.6816



22.9971, 23.8971, 32.3696



24.1371, 23.8971, 21.8560



22.4321, 23.8971, 20.5601

Sweetspot

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



21.3477, 23.8981, 30.6821



44.8828, 48.0774, 54.8878



20.9091, 25.6268, 22.5019



9.9199, 10.6435, 12.2038



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.



21.3477, 23.8981, 30.6821



35.8559, 40.6283, 53.9258



19.3110, 19.8246, 30.0032



5.8388, 6.3115, 7.3802



9.3341, 11.3630, 25.6324



0.1380, 0.1866, 0.3217

Inverse Universe

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



22.5728, 20.2080, 26.7567



38.4033, 33.1410, 45.7218



24.0734, 25.5980, 19.8922



5.9721, 5.8839, 6.9590



12.8385, 6.3405, 13.1624



0.1691, 0.0824, 0.2243

Previews

White Background



This preview shows how the XYZ color 21.3470, 23.8971, 30.6816 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 21.3470, 23.8971, 30.6816 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

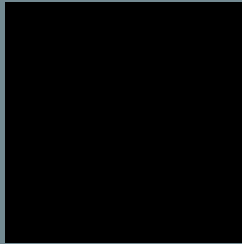
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

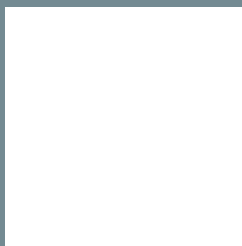
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 21.3470, 23.8971, 30.6816

Background



This preview shows how black text looks on a background with the XYZ color 21.3470, 23.8971, 30.6816.

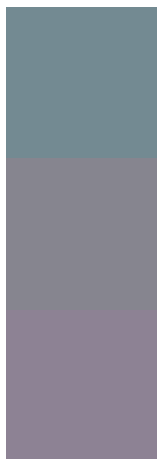


This preview shows how white text looks on a background with the XYZ color 21.3470, 23.8971,

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

21.3470, 23.8971, 30.6816

Protanopia

23.1770, 23.8266, 29.3640

Deuteranopia

24.3124, 23.7661, 31.3229



Tritanopia

21.7158, 24.0599, 31.9333

Trichromacy



Original Color

21.3470, 23.8971, 30.6816

Protanomaly

22.4504, 23.8536, 29.8065

Deuteranomaly

23.1697, 23.7872, 30.9740

Tritanomaly

21.6362, 24.0281, 31.5145

Monochromacy



Original Color

21.3470, 23.8971, 30.6816

Achromatopsia

21.9318, 23.0740, 25.1276

Achromatomaly

21.6446, 23.2920, 27.0219

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.3470, 23.8971, 30.6816 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(115, 138, 146)` looks like.

```
.text, #text, p{  
    color:rgb(115, 138, 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(115, 138, 146) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(115, 138, 146) }
```

Border

The CSS property to change the border of an element to XYZ 21.3470, 23.8971, 30.6816 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(115, 138, 146) }
```


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

```
.border{ border-color:rgb(115, 138, 146) }
```

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

Here you see how a box with a 4 pixel `rgb(115, 138, 146)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(115, 138, 146); -webkit-box-  
shadow:4px 4px 4px 4px rgb(115, 138, 146);  
box-shadow:4px 4px 4px 4px rgb(115, 138,  
146) }
```

Background

The CSS property to change the background color of an element to XYZ 21.3470, 23.8971, 30.6816 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(115, 138, 146) }
```

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

```
.background{ background-color: rgb(115,  
138, 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](#).

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