

Converting Colors

XYZ(10.8928, 10.3250, 21.6688)

Have a look what the booklet for
XYZ(10.8928, 10.3250, 21.6688)
contains.

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Color

**XYZ(10.9533, 10.3770,
21.8477)**

Conversions

Conversions Part 1

Format	Color
Hex	535880
RGB	83, 88, 128
RGB Percent	33%, 35%, 50%
CMY	0.6745, 0.6549, 0.4980
CMYK	0.35, 0.31, 0.00, 0.50
HSL	233°, 21%, 41%
HSV	233°, 35%, 50%
XYZ	10.9533, 10.3770, 21.8477
YIQ	91.0650, -15.8200, 11.3800

Conversions

Conversions Part 2

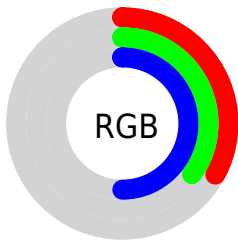
Format	Color
R_{YB}	83, 88, 128
Decimal	5462144
CIE _{Lab}	38.51, 8.36, -23.10
CIE _{LCh}	39, 24.569, 289.885
Yxy	10.3770, 0.2537, 0.2403
Android (android.graphics.Color)	4283652224 (0xFF535880)
YUV	91.0650, 18.2090, -7.0730
Hunter-Lab	32.2134, 4.3208, -17.6622

Details

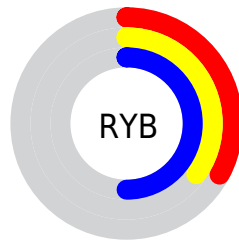
The XYZ color **10.9533, 10.3770, 21.8477** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **17.5466, 19.3798, 10.9999**, and the grayscale version is **9.9215, 10.4382, 11.3672**.

A 20% lighter version of the original color is **27.2605, 26.5815, 47.4100**, and **2.9683, 2.6496, 7.7521** is the 20% darker color. If you saturate the color by 10%, you get **9.0644, 8.1235, 21.5125**, and if you desaturate by 10%, it is **13.1973, 13.0304, 22.2418**.

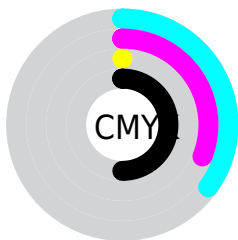
Distribution



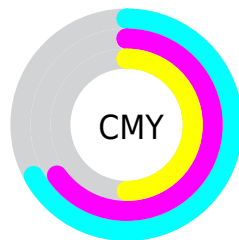
- Red (33%)
- Green (35%)
- Blue (50%)



- Red (33%)
- Yellow (35%)
- Blue (50%)



- Cyan (35%)
- Magenta (31%)
- Yellow (0%)
- Black (50%)



- Cyan (67%)
- Magenta (65%)
- Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 10.9533, 10.3770, 21.8477 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 10.9533, 10.3770, 21.8477 by changing the saturation by 10% instead.

■ 10.9533, 10.3770,
21.8477

■ 10.9533, 10.3770,
21.8477

191.2618,
193.3420, 274.6774

■ 6.1025, 5.6496,
13.5478

■ 27.2075, 26.5022,
47.3931

■ 2.9488, 2.6332,
7.6717

■ 39.3416, 38.6689,
65.4757

■ 1.1267, 0.9434,
3.8008

■ 54.6342, 54.0841,
87.6562

■ 0.0473, 0.0000,
1.5167

■ 73.4506, 73.1322,
114.3533

■ 0.0000, 0.0000,
0.2303

■ 96.1562, 96.1977,
145.9854

■ 0.0000, 0.0000,
0.0000

123.1164,

123.6649, 182.9711

154.6965,
155.9182, 225.7289

■ 10.9533, 10.3770,
21.8477

■ 10.9533, 10.3770,
21.8477

■ 9.0644, 8.1235,
21.5125

■ 13.1973, 13.0304,
22.2418

■ 7.5111, 6.2492,
21.2326

■ 15.8122, 16.1006,
22.6966

■ 6.2741, 4.7336,
21.0052

■ 18.8141, 19.6049,
23.2147

■ 5.3313, 3.5534,
20.8271

■ 22.2180, 23.5594,
23.7986

■ 4.6579, 2.6829,
20.6946

■ 26.0381, 27.9792,
24.4504

■ 4.2195, 2.0896,
20.6032

■ 30.2876, 32.8789,
25.1722

■ 4.0564, 1.8786,
20.5710

■ 34.9795, 38.2723,
25.9659

■ 40.1260, 44.1728,
26.8336

■ 45.7390, 50.5931,
27.7770

Harmonies

Analogous

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



9.3296, 10.3770, 22.4596



10.9533, 10.3770, 21.8477



12.4235, 10.3770, 18.0237

Triad

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



10.9533, 10.3770, 21.8477



11.9939, 10.3770, 5.7867



7.1199, 10.3770, 9.8130

Complementary

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



10.9533, 10.3770, 21.8477



17.5466, 19.3798, 10.9999

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.



7.6810, 10.3770, 6.4971



10.9533, 10.3770, 21.8477



10.4164, 10.3770, 4.6279

Square

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



10.9533, 10.3770, 21.8477



13.0680, 10.3770, 8.5449



8.8476, 10.3770, 4.8467



7.2302, 10.3770, 14.5887

Rectangle

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



10.9533, 10.3770, 21.8477



13.0629, 10.3770, 14.6282



8.8476, 10.3770, 4.8467



7.2337, 10.3770, 8.5172

Sweetspot

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



10.9537, 10.3774, 21.8479



29.8193, 30.6623, 40.3030



14.8462, 18.7014, 21.4844



6.8471, 7.0218, 9.4128



62.3462, 65.5931, 71.4309



8.4577, 8.8982, 9.6901

Same Dimension

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



10.9537, 10.3774, 21.8479



16.6354, 15.1127, 37.9965



12.2731, 10.4690, 21.7961



4.1444, 4.2828, 5.4215



4.0227, 1.8640, 20.3977



0.0000, 0.0000, 0.0000

Inverse Universe

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



13.7571, 11.4807, 10.7239



22.3608, 17.4672, 15.2552



15.8049, 19.4264, 11.1007



4.3457, 4.3514, 4.6250



8.9075, 4.5827, 0.8365



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 10.9533, 10.3770, 21.8477 looks on a white 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

Black Background



This preview shows how the XYZ color 10.9533, 10.3770, 21.8477 looks on a black 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

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

XYZ 10.9533, 10.3770, 21.8477

Background



This preview shows how black text looks on a background with the XYZ color 10.9533, 10.3770, 21.8477.



This preview shows how white text looks on a background with the XYZ color 10.9533, 10.3770,

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

10.9533, 10.3770, 21.8477

Protanopia

10.6767, 10.3494, 22.2038

Deuteranopia

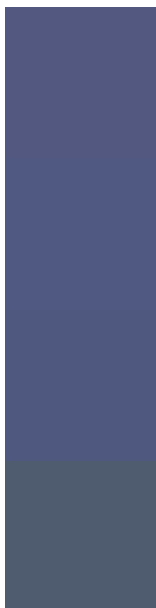
10.6130, 10.4486, 21.8795



Tritanopia

9.3239, 10.3461, 13.8175

Trichromacy



Original Color

10.9533, 10.3770, 21.8477

Protanomaly

10.8431, 10.4352, 22.2116

Deuteranomaly

10.6931, 10.3655, 21.8592

Tritanomaly

9.8348, 10.2921, 16.5072

Monochromacy



Original Color

10.9533, 10.3770, 21.8477

Achromatopsia

9.9438, 10.4616, 11.3927

Achromatomaly

10.1794, 10.3865, 14.5650

CSS Examples

Text

The CSS property to change the color of the text to XYZ 10.9533, 10.3770, 21.8477 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(83, 88, 128)` looks like.

```
.text, #text, p{  
    color:rgb(83, 88, 128)  
}
```

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(83, 88, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 88, 128) }
```

Border

The CSS property to change the border of an element to XYZ 10.9533, 10.3770, 21.8477 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(83, 88, 128) }
```


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

```
.border{ border-color:rgb(83, 88, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(83, 88, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 88, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 88, 128);  
box-shadow:4px 4px 4px 4px rgb(83, 88,  
128) }
```

Background

The CSS property to change the background color of an element to XYZ 10.9533, 10.3770, 21.8477 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 88, 128) }
```

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

```
.background{ background-color: rgb(83, 88,  
128) }
```

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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