

Converting Colors

XYZ(10.8184, 11.7581, 21.7780)

Have a look what the booklet for
XYZ(10.8184, 11.7581, 21.7780)
contains.

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Color

**XYZ(10.8184, 11.7581,
21.7780)**

Conversions

Conversions Part 1

Format	Color
Hex	46637F
RGB	70, 99, 127
RGB Percent	27%, 39%, 50%
CMY	0.7255, 0.6118, 0.5020
CMYK	0.45, 0.22, 0.00, 0.50
HSL	209°, 29%, 39%
HSV	209°, 45%, 50%
XYZ	10.8184, 11.7581, 21.7780
YIQ	93.5210, -26.2720, 2.5600

Conversions

Conversions Part 2

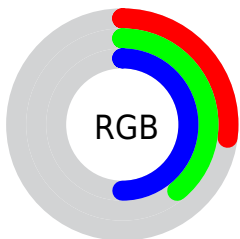
Format	Color
R_{YB}	70, 89, 127
Decimal	4612991
CIE _{Lab}	40.83, -2.64, -18.98
CIE _{LCh}	41, 19.165, 262.085
Yxy	11.7581, 0.2439, 0.2651
Android (android.graphics.Color)	4282803071 (0xFF46637F)
YUV	93.5210, 16.5051, -20.6279
Hunter-Lab	34.2901, -3.6915, -13.6527

Details

The XYZ color **10.8184, 11.7581, 21.7780** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **14.2258, 13.6899, 7.6874**, and the grayscale version is **10.4937, 11.0402, 12.0227**.

A 20% lighter version of the original color is **27.0297, 29.1729, 47.3863**, and **2.9168, 3.2347, 7.6784** is the 20% darker color. If you saturate the color by 10%, you get **9.4291, 10.1983, 21.5504**, and if you desaturate by 10%, it is **12.4480, 13.5100, 22.0305**.

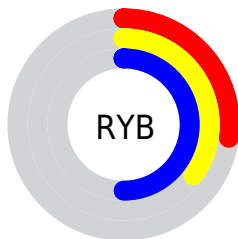
Distribution



Red (27%)

Green (39%)

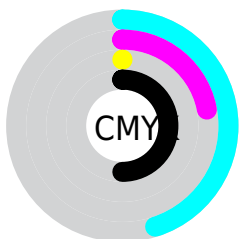
Blue (50%)



Red (27%)

Yellow (35%)

Blue (50%)

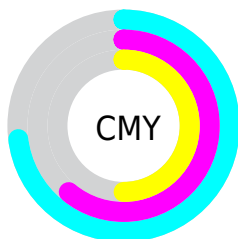


Cyan (45%)

Magenta (22%)

Yellow (0%)

Black (50%)



Cyan (73%)

Magenta (61%)

Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 10.8184, 11.7581, 21.7780 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 10.8184, 11.7581, 21.7780 by changing the saturation by 10% instead.

■ 10.8184, 11.7581,
21.7780

■ 10.8184, 11.7581,
21.7780

190.3515,
202.7972, 274.3003

■ 6.0112, 6.5792,
13.4971

■ 26.9598, 29.0538,
47.2763

■ 2.8926, 3.2003,
7.6370

■ 39.0248, 41.9393,
65.3308

■ 1.0972, 1.2372,
3.7791

■ 54.2397, 58.1625,
87.4802

■ 0.0228, 0.0918,
1.5050

■ 72.9700, 78.1077,
114.1431

■ 0.0000, 0.0000,
0.2216

■ 95.5809, 102.1594,
145.7380

■ 0.0000, 0.0000,
0.0000

122.4379,

130.7020, 182.6835

153.9064,
164.1198, 225.3981

■ 10.8184, 11.7581,
21.7780

■ 10.8184, 11.7581,
21.7780

■ 9.4291, 10.1983,
21.5504

■ 12.4480, 13.5100,
22.0305

■ 8.2654, 8.8209,
21.3458

■ 14.3289, 15.4605,
22.3078

■ 7.3131, 7.6172,
21.1637

■ 16.4729, 17.6173,
22.6111

■ 6.5553, 6.5767,
21.0028

■ 18.8905, 19.9873,
22.9412

■ 5.9678, 5.6855,
20.8617

■ 21.5918, 22.5770,
23.2986

■ 5.6991, 5.2689,
20.7955

■ 24.5862, 25.3925,
23.6843

■ 27.8829, 28.4398,
24.0987

■ 31.4903, 31.7246,
24.5426

■ 35.4168, 35.2524,
25.0166

Harmonies

Analogous

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



9.6401, 11.7581, 19.6909



10.8184, 11.7581, 21.7780



12.1913, 11.7581, 21.1016

Triad

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



10.8184, 11.7581, 21.7780



13.7868, 11.7581, 10.1807



9.2314, 11.7581, 8.7189

Complementary

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



10.8184, 11.7581, 21.7780



14.2258, 13.6899, 7.6874

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.



10.2182, 11.7581, 7.0269



10.8184, 11.7581, 21.7780



12.8663, 11.7581, 7.7434

Square

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



10.8184, 11.7581, 21.7780



13.9804, 11.7581, 13.8651



11.5408, 11.7581, 6.7102



8.7737, 11.7581, 11.7957

Rectangle

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



10.8184, 11.7581, 21.7780



13.0276, 11.7581, 19.2263



11.5408, 11.7581, 6.7102



9.5082, 11.7581, 7.9974

Sweetspot

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



10.8188, 11.7585, 21.7783



30.1459, 32.1893, 40.5806



12.2989, 17.3545, 14.1461



6.8732, 7.3533, 9.4754



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.



10.8188, 11.7585, 21.7783



16.7930, 18.1564, 38.5757



8.6070, 7.3349, 21.0410



4.2756, 4.5451, 5.4652



5.7462, 5.3110, 20.9722



0.0000, 0.0000, 0.0000

Inverse Universe

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



13.1950, 9.7936, 12.9998



21.7743, 14.6825, 20.0284



17.3254, 19.8889, 8.7206



4.4119, 4.3779, 4.9737



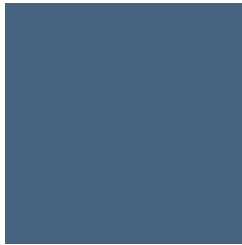
9.7774, 4.9307, 5.4176



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 10.8184, 11.7581, 21.7780 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 10.8184, 11.7581, 21.7780 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

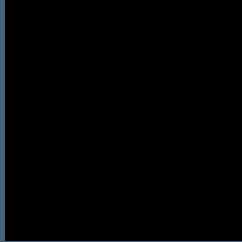
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

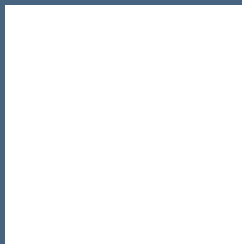
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 10.8184, 11.7581, 21.7780

Background



This preview shows how black text looks on a background with the XYZ color 10.8184, 11.7581, 21.7780.

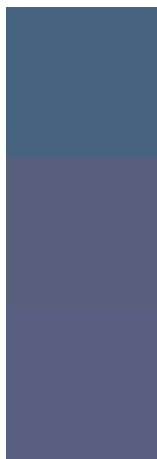


This preview shows how white text looks on a background with the XYZ color 10.8184, 11.7581,

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

10.8184, 11.7581, 21.7780

Protanopia

11.7548, 11.7144, 20.7103

Deuteranopia

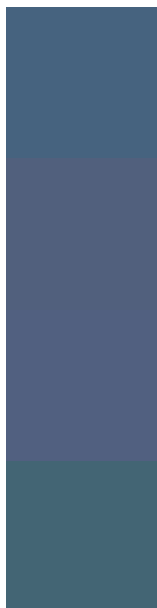
12.0130, 11.8176, 22.0700



Tritanopia

9.7458, 11.7523, 16.5066

Trichromacy



Original Color

10.8184, 11.7581, 21.7780

Protanomaly

11.2779, 11.5957, 21.0458

Deuteranomaly

11.4725, 11.6736, 22.0706

Tritanomaly

10.1208, 11.7616, 18.2598

Monochromacy



Original Color

10.8184, 11.7581, 21.7780

Achromatopsia

10.6392, 11.1932, 12.1894

Achromatomaly

10.5307, 11.3376, 15.2690

CSS Examples

Text

The CSS property to change the color of the text to XYZ 10.8184, 11.7581, 21.7780 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(70, 99, 127)` looks like.

```
.text, #text, p{  
    color:rgb(70, 99, 127)  
}
```

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(70, 99, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(70, 99, 127) }
```

Border

The CSS property to change the border of an element to XYZ 10.8184, 11.7581, 21.7780 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(70, 99, 127) }
```


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

```
.border{ border-color:rgb(70, 99, 127) }
```

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

Here you see how a box with a 4 pixel `rgb(70, 99, 127)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(70, 99, 127); -webkit-box-  
shadow:4px 4px 4px 4px rgb(70, 99, 127);  
box-shadow:4px 4px 4px 4px rgb(70, 99,  
127) }
```

Background

The CSS property to change the background color of an element to XYZ 10.8184, 11.7581, 21.7780 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(70, 99, 127) }
```

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

```
.background{ background-color: rgb(70, 99,  
127) }
```

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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