

Converting Colors

XYZ(10.1993, 10.9181, 21.4558)

Have a look what the booklet for
XYZ(10.1993, 10.9181, 21.4558)
contains.

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Color

**XYZ(10.1728, 10.8841,
21.3033)**

Conversions

Conversions Part 1

Format	Color
Hex	435F7E
RGB	67, 95, 126
RGB Percent	26%, 37%, 49%
CMY	0.7372, 0.6274, 0.5059
CMYK	0.47, 0.25, 0.00, 0.51
HSL	212°, 31%, 38%
HSV	212°, 47%, 49%
XYZ	10.1728, 10.8841, 21.3033
YIQ	90.1620, -26.6390, 3.7050

Conversions

Conversions Part 2

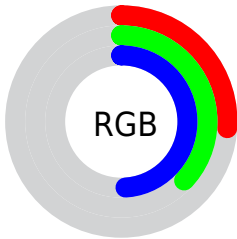
Format	Color
R _{YB}	67, 86, 126
Decimal	4415358
CIE Lab	39.38, -1.33, -20.62
CIE LCh	39, 20.659, 266.303
Yxy	10.8841, 0.2401, 0.2569
Android (android.graphics.Color)	4282605438 (0xFF435F7E)
YUV	90.1620, 17.6681, -20.3131
Hunter-Lab	32.9911, -2.6938, -15.1916

Details

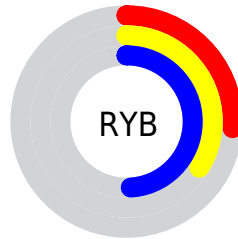
The XYZ color **10.1728, 10.8841, 21.3033** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **13.9851, 13.5763, 7.1938**, and the grayscale version is **9.7207, 10.2269, 11.1371**.

A 20% lighter version of the original color is **25.7333, 27.3570, 46.5720**, and **2.6349, 2.8340, 7.4293** is the 20% darker color. If you saturate the color by 10%, you get **8.8300, 9.3441, 21.0770**, and if you desaturate by 10%, it is **11.7550, 12.6232, 21.5558**.

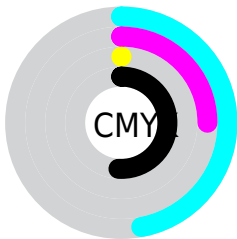
Distribution



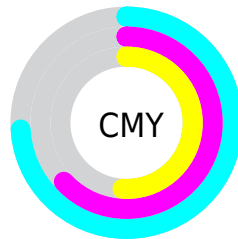
- Red (26%)
- Green (37%)
- Blue (49%)



- Red (26%)
- Yellow (34%)
- Blue (49%)



- Cyan (47%)
- Magenta (25%)
- Yellow (0%)
- Black (51%)



- Cyan (74%)
- Magenta (63%)
- Yellow (51%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 10.1728, 10.8841, 21.3033 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 10.1728, 10.8841, 21.3033 by changing the saturation by 10% instead.

■ 10.1728, 10.8841,
21.3033

■ 10.1728, 10.8841,
21.3033

185.9289,
196.8707, 271.7198

■ 5.5768, 5.9890,
13.1525

■ 25.7668, 27.4456,
46.4791

■ 2.6277, 2.8384,
7.4017

■ 37.4954, 39.8808,
64.3411

■ 0.9601, 1.0479,
3.6323

■ 52.3324, 55.5982,
86.2774

■ 0.0000, 0.0000,
1.4259

■ 70.6430, 74.9820,
112.7063

■ 0.0000, 0.0000,
0.1618

■ 92.7926, 98.4168,
144.0465

■ 0.0000, 0.0000,
0.0000

119.1466,

126.2869, 180.7164

150.0702,
158.9767, 223.1347

■ 10.1728, 10.8841,
21.3033

■ 10.1728, 10.8841,
21.3033

■ 8.8300, 9.3441,
21.0770

■ 11.7550, 12.6232,
21.5558

■ 7.7120, 7.9932,
20.8752

■ 13.5879, 14.5684,
21.8346

■ 6.8040, 6.8219,
20.6970

■ 15.6834, 16.7278,
22.1410

■ 6.0888, 5.8195,
20.5412

■ 18.0523, 19.1085,
22.4757

■ 5.5333, 4.9667,
20.4059

■ 20.7047, 21.7175,
22.8395

■ 5.3713, 4.7171,
20.3662

■ 23.6502, 24.5613,
23.2331

■ 26.8978, 27.6460,
23.6574

■ 30.4564, 30.9778,
24.1129

■ 34.3342, 34.5622,
24.6004

Harmonies

Analogous

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



8.9253, 10.8841, 19.4715



10.1728, 10.8841, 21.3033



11.5814, 10.8841, 20.1703

Triad

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



10.1728, 10.8841, 21.3033



12.9443, 10.8841, 8.7588



8.2675, 10.8841, 8.0752

Complementary

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



10.1728, 10.8841, 21.3033



13.9851, 13.5763, 7.1938

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.



9.1999, 10.8841, 6.2064



10.1728, 10.8841, 21.3033



11.9078, 10.8841, 6.5342

Square

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



10.1728, 10.8841, 21.3033



13.2633, 10.8841, 12.3538



10.5192, 10.8841, 5.7130



7.8896, 10.8841, 11.3619

Rectangle

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



10.1728, 10.8841, 21.3033



12.4109, 10.8841, 17.9986



10.5192, 10.8841, 5.7130



8.5221, 10.8841, 7.2917

Sweetspot

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



10.1732, 10.8845, 21.3036



28.6015, 30.4538, 39.1151



11.9561, 16.9873, 14.0768



6.3424, 6.7616, 8.8739



60.6688, 63.8283, 69.5090



7.9400, 8.3535, 9.0970

Same Dimension

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



10.1732, 10.8845, 21.3036



15.4385, 16.3249, 37.0817



8.1560, 6.7493, 20.6117



4.2640, 4.5221, 5.4614



5.5062, 4.8309, 20.8922



0.0000, 0.0000, 0.0000

Inverse Universe

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



12.6772, 9.2764, 11.9493



20.5552, 13.6596, 17.8278



16.9340, 19.6884, 8.2182



4.4061, 4.3756, 4.9430



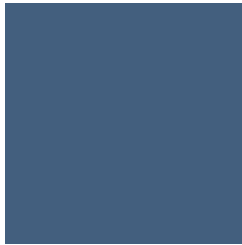
9.6562, 4.8822, 4.7795



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 10.1728, 10.8841, 21.3033 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 10.1728, 10.8841, 21.3033 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

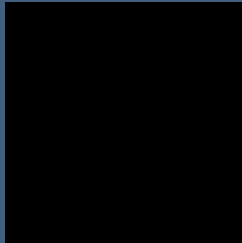
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

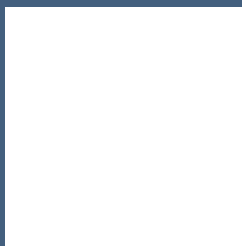
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 10.1728, 10.8841, 21.3033

Background



This preview shows how black text looks on a background with the XYZ color 10.1728, 10.8841, 21.3033.

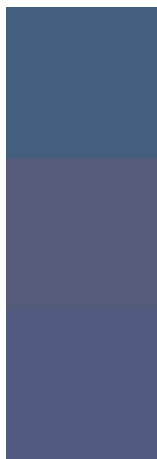


This preview shows how white text looks on a background with the XYZ color 10.1728, 10.8841,

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

10.1728, 10.8841, 21.3033

Protanopia

10.9724, 10.7970, 20.2446

Deuteranopia

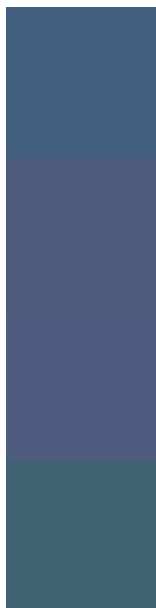
11.0515, 10.8083, 21.5824



Tritanopia

9.0402, 10.9773, 15.5523

Trichromacy



Original Color

10.1728, 10.8841, 21.3033

Protanomaly

10.6071, 10.7292, 20.5807

Deuteranomaly

10.7185, 10.7644, 21.5915

Tritanomaly

9.4548, 11.0070, 17.5458

Monochromacy



Original Color

10.1728, 10.8841, 21.3033

Achromatopsia

9.7181, 10.2242, 11.1341

Achromatomaly

9.7550, 10.4274, 14.3305

CSS Examples

Text

The CSS property to change the color of the text to XYZ 10.1728, 10.8841, 21.3033 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(67, 95, 126)` looks like.

```
.text, #text, p{  
    color:rgb(67, 95, 126)  
}
```

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(67, 95, 126) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(67, 95, 126) }
```

Border

The CSS property to change the border of an element to XYZ 10.1728, 10.8841, 21.3033 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(67, 95, 126) }
```


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

```
.border{ border-color:rgb(67, 95, 126) }
```

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

Here you see how a box with a 4 pixel rgb(67, 95, 126) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(67, 95, 126); -webkit-box-  
shadow:4px 4px 4px 4px rgb(67, 95, 126);  
box-shadow:4px 4px 4px 4px rgb(67, 95,  
126) }
```

Background

The CSS property to change the background color of an element to XYZ 10.1728, 10.8841, 21.3033 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(67, 95, 126) }
```

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

```
.background{ background-color: rgb(67, 95,  
126) }
```

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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