

Converting Colors

XYZ(10.7210, 10.4404, 21.0948)

Have a look what the booklet for
XYZ(10.7210, 10.4404, 21.0948)
contains.

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Color

**XYZ(10.7316, 10.4004,
21.1805)**

Conversions

Conversions Part 1

Format	Color
Hex	51597E
RGB	81, 89, 126
RGB Percent	32%, 35%, 49%
CMY	0.6823, 0.6510, 0.5059
CMYK	0.36, 0.29, 0.00, 0.51
HSL	229°, 22%, 41%
HSV	229°, 36%, 49%
XYZ	10.7316, 10.4004, 21.1805
YIQ	90.8260, -16.6450, 9.8110

Conversions

Conversions Part 2

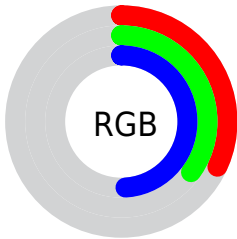
Format	Color
R_{YB}	81, 88, 126
Decimal	5331326
CIE _{Lab}	38.55, 6.53, -21.83
CIE _{LCh}	39, 22.784, 286.648
Yxy	10.4004, 0.2536, 0.2458
Android (android.graphics.Color)	4283521406 (0xFF51597E)
YUV	90.8260, 17.3408, -8.6174
Hunter-Lab	32.2497, 2.9619, -16.3649

Details

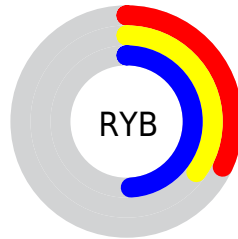
The XYZ color **10.7316, 10.4004, 21.1805** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **16.5681, 17.9869, 10.3836**, and the grayscale version is **9.8693, 10.3833, 11.3074**.

A 20% lighter version of the original color is **26.8850, 26.6254, 46.3701**, and **2.8674, 2.6605, 7.3836** is the 20% darker color. If you saturate the color by 10%, you get **8.9481, 8.2902, 20.8674**, and if you desaturate by 10%, it is **12.8375, 12.8574, 21.5439**.

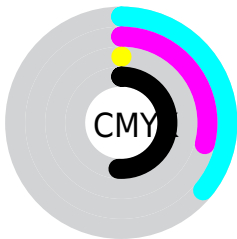
Distribution



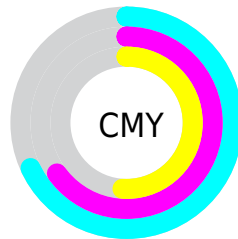
- Red (32%)
- Green (35%)
- Blue (49%)



- Red (32%)
- Yellow (35%)
- Blue (49%)



- Cyan (36%)
- Magenta (29%)
- Yellow (0%)
- Black (51%)



- Cyan (68%)
- Magenta (65%)
- Yellow (51%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 10.7316, 10.4004, 21.1805 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 10.7316, 10.4004, 21.1805 by changing the saturation by 10% instead.

■ 10.7316, 10.4004,
21.1805

■ 10.7316, 10.4004,
21.1805

189.7634,
193.5064, 271.0487

■ 5.9526, 5.6652,
13.0635

■ 26.8001, 26.5459,
46.2724

■ 2.8567, 2.6426,
7.3410

■ 38.8204, 38.7251,
64.0844

■ 1.0784, 0.9481,
3.5946

■ 53.9852, 54.1544,
85.9651

■ 0.0070, 0.0000,
1.4057

■ 72.6597, 73.2182,
112.3331

■ 0.0000, 0.0000,
0.1462

■ 95.2095, 96.3009,
143.6069

■ 0.0000, 0.0000,
0.0000

121.9998,

123.7869, 180.2051

153.3959,
156.0606, 222.5462

■ 10.7316, 10.4004,
21.1805

■ 10.7316, 10.4004,
21.1805

■ 8.9481, 8.2902,
20.8674

■ 12.8375, 12.8574,
21.5439

■ 7.4699, 6.5098,
20.6016

■ 15.2798, 15.6749,
21.9590

■ 6.2798, 5.0425,
20.3811

■ 18.0729, 18.8670,
22.4280

■ 5.3582, 3.8697,
20.2033

■ 21.2300, 22.4470,
22.9526

■ 4.6832, 2.9706,
20.0654

■ 24.7637, 26.4274,
23.5346

■ 4.2218, 2.3178,
19.9637

■ 28.6859, 30.8201,
24.1758

■ 4.0605, 2.0956,
19.9293

■ 33.0080, 35.6366,
24.8777

■ 37.7410, 40.8879,
25.6418

■ 42.8953, 46.5845,
26.4697

Harmonies

Analogous

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



9.2364, 10.4004, 21.3671



10.7316, 10.4004, 21.1805



12.1255, 10.4004, 17.9653

Triad

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



10.7316, 10.4004, 21.1805



11.9920, 10.4004, 6.3322



7.3447, 10.4004, 9.5281

Complementary

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



10.7316, 10.4004, 21.1805



16.5681, 17.9869, 10.3836

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.



7.9395, 10.4004, 6.5622



10.7316, 10.4004, 21.1805



10.5638, 10.4004, 5.0560

Square

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



10.7316, 10.4004, 21.1805



12.9019, 10.4004, 9.1263



9.0846, 10.4004, 5.1279



7.3798, 10.4004, 13.8495

Rectangle

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



10.7316, 10.4004, 21.1805



12.7651, 10.4004, 14.9095



9.0846, 10.4004, 5.1279



7.4748, 10.4004, 8.3654

Sweetspot

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



10.7320, 10.4008, 21.1807



29.0085, 30.0117, 39.0083



14.1097, 17.9733, 19.7875



6.4803, 6.6915, 8.8531



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.



10.7320, 10.4008, 21.1807



16.2480, 15.1850, 36.8190



11.4540, 9.8380, 21.0340



4.1659, 4.3259, 5.4287



4.1632, 2.1450, 20.4445



0.0000, 0.0000, 0.0000

Inverse Universe

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



13.3501, 11.0421, 10.8792



21.6372, 16.6708, 15.5769



15.5967, 18.9444, 10.6196



4.3566, 4.3558, 4.6823



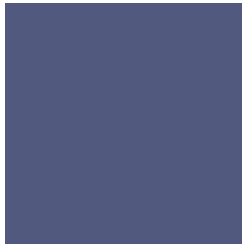
8.9784, 4.6110, 1.2099



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 10.7316, 10.4004, 21.1805 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 10.7316, 10.4004, 21.1805 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

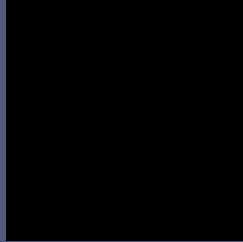
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 10.7316, 10.4004, 21.1805

Background



This preview shows how black text looks on a background with the XYZ color 10.7316, 10.4004, 21.1805.

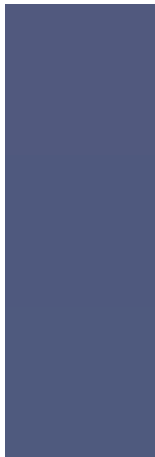


This preview shows how white text looks on a background with the XYZ color 10.7316, 10.4004,

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

10.7316, 10.4004, 21.1805

Protanopia

10.5627, 10.3134, 21.1726

Deuteranopia

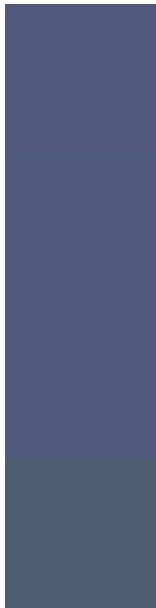
10.6465, 10.4810, 21.2006



Tritanopia

9.2533, 10.4408, 13.8395

Trichromacy



Original Color

10.7316, 10.4004, 21.1805

Protanomaly

10.6465, 10.3566, 21.1766

Deuteranomaly

10.7303, 10.5242, 21.2045

Tritanomaly

9.7022, 10.3579, 16.2398

Monochromacy



Original Color

10.7316, 10.4004, 21.1805

Achromatopsia

9.9438, 10.4616, 11.3927

Achromatomaly

10.0853, 10.3380, 14.5606

CSS Examples

Text

The CSS property to change the color of the text to XYZ 10.7316, 10.4004, 21.1805 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(81, 89, 126) looks like.

```
.text, #text, p{  
    color:rgb(81, 89, 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(81, 89, 126) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(81, 89, 126) }
```

Border

The CSS property to change the border of an element to XYZ 10.7316, 10.4004, 21.1805 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(81, 89, 126) }
```


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

```
.border{ border-color:rgb(81, 89, 126) }
```

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

Here you see how a box with a 4 pixel `rgb(81, 89, 126)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(81, 89, 126); -webkit-box-  
shadow:4px 4px 4px 4px rgb(81, 89, 126);  
box-shadow:4px 4px 4px 4px rgb(81, 89,  
126) }
```

Background

The CSS property to change the background color of an element to XYZ 10.7316, 10.4004, 21.1805 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(81, 89, 126) }
```

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

```
.background{ background-color: rgb(81, 89,  
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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