

Converting Colors

XYZ(9.9890, 10.8120, 20.6218)

Have a look what the booklet for
XYZ(9.9890, 10.8120, 20.6218)
contains.

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Color

**XYZ(9.9771, 10.7979,
20.6271)**

Conversions

Conversions Part 1

Format	Color
Hex	425F7C
RGB	66, 95, 124
RGB Percent	26%, 37%, 49%
CMY	0.7412, 0.6274, 0.5137
CMYK	0.47, 0.23, 0.00, 0.51
HSL	210°, 31%, 37%
HSV	210°, 47%, 49%
XYZ	9.9771, 10.7979, 20.6271
YIQ	89.6350, -26.5930, 2.8710

Conversions

Conversions Part 2

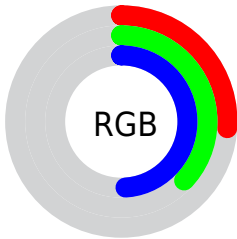
Format	Color
R_{YB}	66, 85, 124
Decimal	4349820
CIE _{Lab}	39.24, -2.23, -19.63
CIE _{LCh}	39, 19.754, 263.511
Yxy	10.7979, 0.2410, 0.2608
Android (android.graphics.Color)	4282539900 (0xFF425F7C)
YUV	89.6350, 16.9419, -20.7279
Hunter-Lab	32.8602, -3.3086, -14.2156

Details

The XYZ color **9.9771, 10.7979, 20.6271** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **13.3881, 12.8634, 6.9320**, and the grayscale version is **9.6046, 10.1047, 11.0041**.

A 20% lighter version of the original color is **25.3973, 27.2070, 45.5079**, and **2.5494, 2.7980, 7.0623** is the 20% darker color. If you saturate the color by 10%, you get **8.6941, 9.3403, 20.4136**, and if you desaturate by 10%, it is **11.4864, 12.4386, 20.8644**.

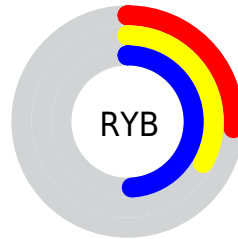
Distribution



Red (26%)

Green (37%)

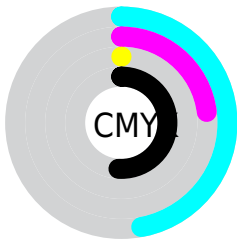
Blue (49%)



Red (26%)

Yellow (33%)

Blue (49%)

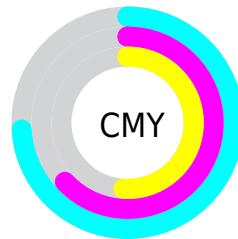


Cyan (47%)

Magenta (23%)

Yellow (0%)

Black (51%)



Cyan (74%)

Magenta (63%)

Yellow (51%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 9.9771, 10.7979, 20.6271 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 9.9771, 10.7979, 20.6271 by changing the saturation by 10% instead.

■ 9.9771, 10.7979,
20.6271

■ 9.9771, 10.7979,
20.6271

184.5656,
196.2757, 268.0057

■ 5.4459, 5.9311,
12.6631

■ 25.4025, 27.2858,
45.3388

■ 2.5486, 2.8032,
7.0690

■ 37.0274, 39.6758,
62.9236

■ 0.9198, 1.0299,
3.4262

■ 51.7476, 55.3422,
84.5524

■ 0.0000, 0.0000,
1.3162

■ 69.9285, 74.6695,
110.6438

■ 0.0000, 0.0000,
0.0750

■ 91.9354, 98.0422,
141.6163

■ 0.0000, 0.0000,
0.0000

118.1336,

125.8445, 177.8884

148.8886,
158.4609, 219.8787

■ 9.9771, 10.7979,
20.6271

■ 9.9771, 10.7979,
20.6271

■ 8.6941, 9.3403,
20.4136

■ 11.4864, 12.4386,
20.8644

■ 7.6235, 8.0565,
20.2222

■ 13.2328, 14.2688,
21.1256

■ 6.7514, 6.9379,
20.0523

■ 15.2275, 16.2959,
21.4118

■ 6.0615, 5.9745,
19.9027

■ 17.4807, 18.5265,
21.7236

■ 5.5217, 5.1480,
19.7716

■ 20.0019, 20.9670,
22.0618

■ 5.3607, 4.9004,
19.7323

■ 22.8002, 23.6233,
22.4270

■ 25.8843, 26.5011,
22.8199

■ 29.2624, 29.6060,
23.2412

■ 32.9423, 32.9432,
23.6914

Harmonies

Analogous

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



8.8177, 10.7979, 18.6742



9.9771, 10.7979, 20.6271



11.3162, 10.7979, 19.8225

Triad

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



9.9771, 10.7979, 20.6271



12.7882, 10.7979, 9.0734



8.3433, 10.7979, 7.9211

Complementary

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



9.9771, 10.7979, 20.6271



13.3881, 12.8634, 6.9320

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.



9.2774, 10.7979, 6.2436



9.9771, 10.7979, 20.6271



11.8583, 10.7979, 6.8016

Square

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



9.9771, 10.7979, 20.6271



13.0162, 10.7979, 12.6034



10.5545, 10.7979, 5.8832



7.9284, 10.7979, 10.9496

Rectangle

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



9.9771, 10.7979, 20.6271



12.1242, 10.7979, 17.9010



10.5545, 10.7979, 5.8832



8.6029, 10.7979, 7.2094

Sweetspot

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



9.9775, 10.7983, 20.6274



27.7213, 29.6008, 37.8091



11.5204, 16.4001, 13.3853



6.3661, 6.8090, 8.8818



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.



9.9775, 10.7983, 20.6274



15.1849, 16.3028, 35.9030



7.8335, 6.5104, 19.9127



3.9478, 4.1938, 5.0446



5.4470, 4.9764, 20.0588



25.1315, 22.0356, 95.3985

Inverse Universe

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



12.3263, 9.0082, 11.9159



19.9939, 13.2606, 17.9275



16.5034, 19.0939, 7.9705



4.0741, 4.0454, 4.5878



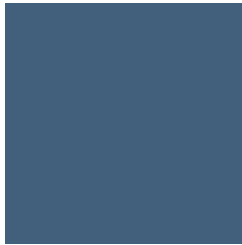
9.3327, 4.7092, 5.0430



44.0884, 22.2917, 21.7932

Previews

White Background



This preview shows how the XYZ color 9.9771, 10.7979, 20.6271 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 9.9771, 10.7979, 20.6271 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

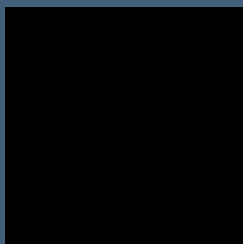
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

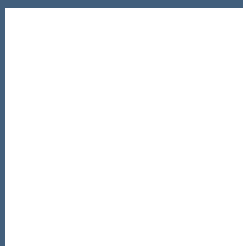
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 9.9771, 10.7979, 20.6271

Background



This preview shows how black text looks on a background with the XYZ color 9.9771, 10.7979, 20.6271.

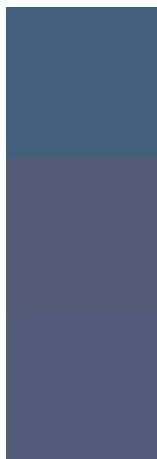


This preview shows how white text looks on a background with the XYZ color 9.9771, 10.7979,

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

9.9771, 10.7979, 20.6271

Protanopia

10.8484, 10.7475, 19.5919

Deuteranopia

11.0100, 10.8018, 20.9067



Tritanopia

8.8937, 10.7681, 15.2454

Trichromacy



Original Color

9.9771, 10.7979, 20.6271

Protanomaly

10.4006, 10.6372, 19.9174

Deuteranomaly

10.5894, 10.7127, 20.9117

Tritanomaly

9.3052, 10.7984, 17.2166

Monochromacy



Original Color

9.9771, 10.7979, 20.6271

Achromatopsia

9.7181, 10.2242, 11.1341

Achromatomaly

9.6188, 10.3629, 14.0637

CSS Examples

Text

The CSS property to change the color of the text to XYZ 9.9771, 10.7979, 20.6271 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(66, 95, 124) looks like.

```
.text, #text, p{  
    color:rgb(66, 95, 124)  
}
```

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(66, 95, 124) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(66, 95, 124) }
```

Border

The CSS property to change the border of an element to XYZ 9.9771, 10.7979, 20.6271 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(66, 95, 124) }
```


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

```
.border{ border-color:rgb(66, 95, 124) }
```

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

Here you see how a box with a 4 pixel `rgb(66, 95, 124)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(66, 95, 124); -webkit-box-  
shadow:4px 4px 4px 4px rgb(66, 95, 124);  
box-shadow:4px 4px 4px 4px rgb(66, 95,  
124) }
```

Background

The CSS property to change the background color of an element to XYZ 9.9771, 10.7979, 20.6271 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(66, 95, 124) }
```

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

```
.background{ background-color: rgb(66, 95,  
124) }
```

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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