

Converting Colors

XYZ(10.5000, 10.8095, 22.1357)

Have a look what the booklet for
XYZ(10.5000, 10.8095, 22.1357)
contains.

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Color

**XYZ(10.4753, 10.7533,
22.2924)**

Conversions

Conversions Part 1

Format	Color
Hex	475D81
RGB	71, 93, 129
RGB Percent	28%, 36%, 51%
CMY	0.7216, 0.6353, 0.4941
CMYK	0.45, 0.28, 0.00, 0.49
HSL	217°, 29%, 39%
HSV	217°, 45%, 51%
XYZ	10.4753, 10.7533, 22.2924
YIQ	90.5260, -24.6680, 6.5320

Conversions

Conversions Part 2

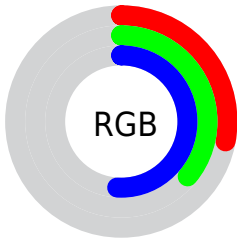
Format	Color
R_{YB}	71, 87, 129
Decimal	4676993
CIE _{Lab}	39.16, 1.96, -22.77
CIE _{LCh}	39, 22.854, 274.915
Yxy	10.7533, 0.2407, 0.2471
Android (android.graphics.Color)	4282867073 (0xFF475D81)
YUV	90.5260, 18.9677, -17.1243
Hunter-Lab	32.7922, -0.3655, -17.3512

Details

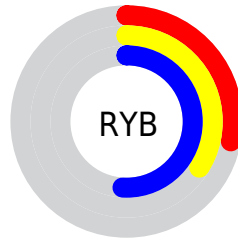
The XYZ color **10.4753, 10.7533, 22.2924** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **15.4485, 15.6376, 8.1656**, and the grayscale version is **9.7994, 10.3097, 11.2273**.

A 20% lighter version of the original color is **26.2920, 27.1599, 48.1126**, and **2.7530, 2.7609, 7.9772** is the 20% darker color. If you saturate the color by 10%, you get **8.9614, 8.9838, 22.0308**, and if you desaturate by 10%, it is **12.2644, 12.7743, 22.5884**.

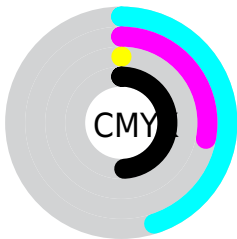
Distribution



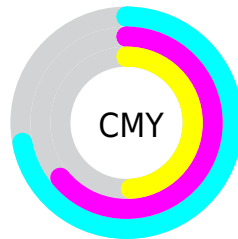
- Red (28%)
- Green (36%)
- Blue (51%)



- Red (28%)
- Yellow (34%)
- Blue (51%)



- Cyan (45%)
- Magenta (28%)
- Yellow (0%)
- Black (49%)



- Cyan (72%)
- Magenta (64%)
- Yellow (49%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 10.4753, 10.7533, 22.2924 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 10.4753, 10.7533, 22.2924 by changing the saturation by 10% instead.

■ 10.4753, 10.7533,
22.2924

■ 10.4753, 10.7533,
22.2924

188.0151,
195.9671, 277.0726

■ 5.7799, 5.9012,
13.8715

■ 26.3274, 27.2031,
48.1372

■ 2.7511, 2.7851,
7.8936

■ 38.2148, 39.5695,
66.3982

■ 1.0235, 1.0206,
3.9402

■ 53.2302, 55.2096,
88.7763

■ 0.0000, 0.0000,
1.5926

■ 71.7390, 74.5076,
115.6901

■ 0.0000, 0.0000,
0.2855

■ 94.1065, 97.8479,
147.5580

■ 0.0000, 0.0000,
0.0000

120.6981,

125.6150, 184.7988

151.8792,
158.1933, 227.8308

■ 10.4753, 10.7533,
22.2924

■ 10.4753, 10.7533,
22.2924

■ 8.9614, 8.9838,
22.0308

■ 12.2644, 12.7743,
22.5884

■ 7.7066, 7.4536,
21.8016

■ 14.3415, 15.0561,
22.9194

■ 6.6946, 6.1509,
21.6035

■ 16.7198, 17.6087,
23.2867

■ 5.9064, 5.0623,
21.4349

■ 19.4113, 20.4413,
23.6916

■ 5.3155, 4.1702,
21.2939

■ 22.4276, 23.5625,
24.1351

■ 5.0580, 3.7760,
21.2314

■ 25.7793, 26.9808,
24.6182

■ 29.4767, 30.7040,
25.1420

■ 33.5296, 34.7399,
25.7074

■ 37.9475, 39.0957,
26.3153

Harmonies

Analogous

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



9.0214, 10.7533, 21.1376



10.4753, 10.7533, 22.2924



12.0021, 10.7533, 20.0834

Triad

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



10.4753, 10.7533, 22.2924



12.8330, 10.7533, 7.5113



7.7770, 10.7533, 8.4822

Complementary

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



10.4753, 10.7533, 22.2924



15.4485, 15.6376, 8.1656

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.



8.6249, 10.7533, 6.0614



10.4753, 10.7533, 22.2924



11.5218, 10.7533, 5.6069

Square

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



10.4753, 10.7533, 22.2924



13.4473, 10.7533, 11.0001



9.9702, 10.7533, 5.1515



7.5565, 10.7533, 12.4467

Rectangle

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



10.4753, 10.7533, 22.2924



12.8271, 10.7533, 17.2612



9.9702, 10.7533, 5.1515



7.9937, 10.7533, 7.4961

Sweetspot

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



10.4757, 10.7537, 22.2927



30.6997, 32.3377, 41.8162



13.0906, 18.0970, 16.6491



6.7519, 7.1106, 9.4350



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.



10.4757, 10.7537, 22.2927



15.9725, 15.9980, 39.4386



9.3388, 7.7016, 21.7635



4.2322, 4.4583, 5.4508



4.9353, 3.6891, 20.7019



0.0000, 0.0000, 0.0000

Inverse Universe

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



13.2826, 9.9642, 11.5796



21.8142, 14.8917, 17.0222



17.0470, 20.3103, 8.9833



4.3900, 4.3692, 4.8583



9.3681, 4.7669, 3.2622



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 10.4753, 10.7533, 22.2924 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 10.4753, 10.7533, 22.2924 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

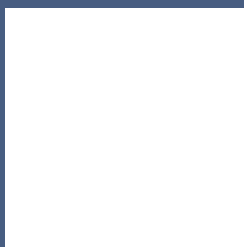
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 10.4753, 10.7533, 22.2924

Background



This preview shows how black text looks on a background with the XYZ color 10.4753, 10.7533, 22.2924.

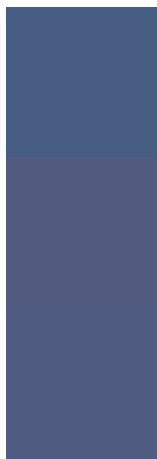


This preview shows how white text looks on a background with the XYZ color 10.4753, 10.7533,

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

10.4753, 10.7533, 22.2924

Protanopia

10.9652, 10.7638, 21.5784

Deuteranopia

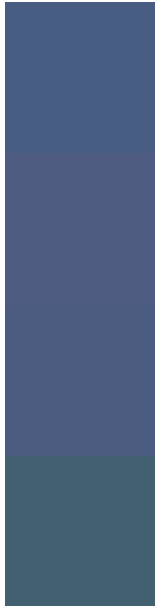
10.9280, 10.7294, 22.2639



Tritanopia

8.9388, 10.6593, 14.9509

Trichromacy



Original Color

10.4753, 10.7533, 22.2924

Protanomaly

10.7840, 10.7906, 21.9365

Deuteranomaly

10.7701, 10.7758, 22.2812

Tritanomaly

9.5349, 10.7739, 17.4966

Monochromacy



Original Color

10.4753, 10.7533, 22.2924

Achromatopsia

9.9438, 10.4616, 11.3927

Achromatomaly

10.0331, 10.5590, 14.8739

CSS Examples

Text

The CSS property to change the color of the text to XYZ 10.4753, 10.7533, 22.2924 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(71, 93, 129)` looks like.

```
.text, #text, p{  
    color:rgb(71, 93, 129)  
}
```

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(71, 93, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(71, 93, 129) }
```

Border

The CSS property to change the border of an element to XYZ 10.4753, 10.7533, 22.2924 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(71, 93, 129) }
```


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

```
.border{ border-color:rgb(71, 93, 129) }
```

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

Here you see how a box with a 4 pixel `rgb(71, 93, 129)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(71, 93, 129); -webkit-box-  
shadow:4px 4px 4px 4px rgb(71, 93, 129);  
box-shadow:4px 4px 4px 4px rgb(71, 93,  
129) }
```

Background

The CSS property to change the background color of an element to XYZ 10.4753, 10.7533, 22.2924 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(71, 93, 129) }
```

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

```
.background{ background-color: rgb(71, 93,  
129) }
```

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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