

Converting Colors

XYZ(10.4103, 10.5447, 19.0706)

Have a look what the booklet for
XYZ(10.4103, 10.5447, 19.0706)
contains.

XYZ(10.3791, 10.5196, 18.9362)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(10.3791, 10.5196,
18.9362)**

Conversions

Conversions Part 1

Format	Color
Hex	505B77
RGB	80, 91, 119
RGB Percent	31%, 36%, 47%
CMY	0.6863, 0.6431, 0.5333
CMYK	0.33, 0.24, 0.00, 0.53
HSL	223°, 20%, 39%
HSV	223°, 33%, 47%
XYZ	10.3791, 10.5196, 18.9362
YIQ	90.9030, -15.5440, 6.3760

Conversions

Conversions Part 2

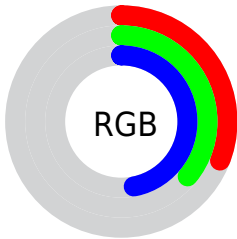
Format	Color
R _Y B	80, 89, 119
Decimal	5266295
CIE Lab	38.76, 2.96, -17.22
CIE LCh	39, 17.476, 279.742
Yxy	10.5196, 0.2606, 0.2641
Android (android.graphics.Color)	4283456375 (0xFF505B77)
YUV	90.9030, 13.8518, -9.5619
Hunter-Lab	32.4339, 0.3619, -11.9121

Details

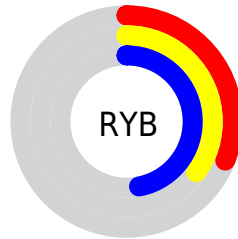
The XYZ color **10.3791, 10.5196, 18.9362** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **14.4183, 15.2261, 9.7686**, and the grayscale version is **9.8943, 10.4095, 11.3360**.

A 20% lighter version of the original color is **26.0815, 26.7359, 42.3140**, and **2.7097, 2.7195, 6.1765** is the 20% darker color. If you saturate the color by 10%, you get **8.7728, 8.6686, 18.6638**, and if you desaturate by 10%, it is **12.2473, 12.6295, 19.2452**.

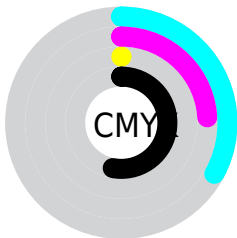
Distribution



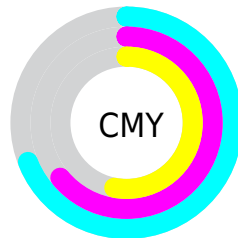
- Red (31%)
- Green (36%)
- Blue (47%)



- Red (31%)
- Yellow (35%)
- Blue (47%)



- Cyan (33%)
- Magenta (24%)
- Yellow (0%)
- Black (53%)



- Cyan (69%)
- Magenta (64%)
- Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 10.3791, 10.5196, 18.9362 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 10.3791, 10.5196, 18.9362 by changing the saturation by 10% instead.

■ 10.3791, 10.5196,
18.9362

■ 10.3791, 10.5196,
18.9362

187.3544,
194.3414, 258.5073

■ 5.7152, 5.7448,
11.4478

■ 26.1494, 26.7683,
42.4615

■ 2.7117, 2.6905,
6.2510

■ 37.9865, 39.0111,
59.3356

■ 1.0032, 0.9724,
2.9270

■ 52.9455, 54.5119,
80.1753

■ 0.0000, 0.0000,
1.0575

■ 71.3915, 73.6552,
105.3991

■ 0.0000, 0.0000,
0.0000

■ 93.6901, 96.8254,
135.4257

120.2065,

124.4069, 170.6736

151.3062,
156.7841, 211.5613

■ 10.3791, 10.5196,
18.9362

■ 10.3791, 10.5196,
18.9362

■ 8.7728, 8.6686,
18.6638

■ 12.2473, 12.6295,
19.2452

■ 7.4151, 7.0648,
18.4258

■ 14.3876, 15.0069,
19.5913

■ 6.2933, 5.6976,
18.2210

■ 16.8111, 17.6614,
19.9759

■ 5.3927, 4.5549,
18.0479

■ 19.5278, 20.6019,
20.4003

■ 4.6973, 3.6234,
17.9047

■ 22.5474, 23.8366,
20.8655

■ 4.1876, 2.8878,
17.7896

■ 25.8789, 27.3736,
21.3726

■ 3.8896, 2.4515,
17.7211

■ 29.5311, 31.2207,
21.9227

■ 33.5123, 35.3853,
22.5167

■ 37.8307, 39.8746,
23.1556

Harmonies

Analogous

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



9.2491, 10.5196, 18.5175



10.3791, 10.5196, 18.9362



11.4868, 10.5196, 17.0741

Triad

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



10.3791, 10.5196, 18.9362



11.8054, 10.5196, 7.8498



8.0564, 10.5196, 9.3898

Complementary

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



10.3791, 10.5196, 18.9362



14.4183, 15.2261, 9.7686

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.



8.6448, 10.5196, 7.2263



10.3791, 10.5196, 18.9362



10.7875, 10.5196, 6.4631

Square

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



10.3791, 10.5196, 18.9362



12.3511, 10.5196, 10.4111



9.6274, 10.5196, 6.2593



7.9655, 10.5196, 12.5644

Rectangle

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



10.3791, 10.5196, 18.9362



12.0422, 10.5196, 14.9674



9.6274, 10.5196, 6.2593



8.2003, 10.5196, 8.5386

Sweetspot

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



10.3794, 10.5200, 18.9364



26.8084, 28.0228, 35.2491



12.6094, 15.9810, 16.5936



6.2405, 6.5170, 8.3357



59.0181, 62.0916, 67.6177



7.4413, 7.8288, 8.5256

Same Dimension

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



10.3794, 10.5200, 18.9364



16.4641, 16.3998, 33.5508



10.2659, 9.1662, 18.6811



3.5770, 3.7426, 4.6241



4.1249, 2.5895, 18.8250



19.4608, 11.3382, 91.5231

Inverse Universe

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



12.3650, 10.4148, 11.2566



20.6298, 16.3567, 17.3986



14.5440, 17.1234, 10.1282



3.7225, 3.7163, 4.0655



8.3792, 4.2854, 1.9391



40.5097, 20.7540, 7.7472

Previews

White Background



This preview shows how the XYZ color 10.3791, 10.5196, 18.9362 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 10.3791, 10.5196, 18.9362 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

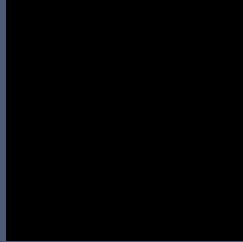
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

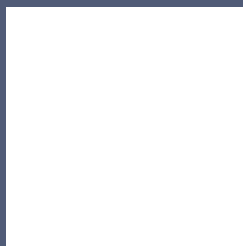
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 10.3791, 10.5196, 18.9362

Background



This preview shows how black text looks on a background with the XYZ color 10.3791, 10.5196, 18.9362.

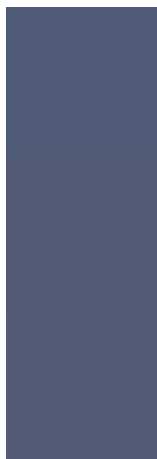


This preview shows how white text looks on a background with the XYZ color 10.3791, 10.5196,

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

10.3791, 10.5196, 18.9362

Protanopia

10.5823, 10.5052, 18.6095

Deuteranopia

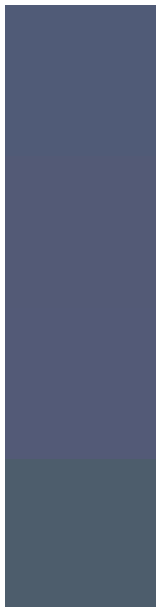
10.7323, 10.5755, 18.9284



Tritanopia

9.3815, 10.5012, 14.1029

Trichromacy



Original Color

10.3791, 10.5196, 18.9362

Protanomaly

10.4935, 10.4593, 18.6053

Deuteranomaly

10.5532, 10.4832, 18.9200

Tritanomaly

9.6817, 10.4892, 15.7017

Monochromacy



Original Color

10.3791, 10.5196, 18.9362

Achromatopsia

9.9438, 10.4616, 11.3927

Achromatomaly

10.0205, 10.4480, 13.8004

CSS Examples

Text

The CSS property to change the color of the text to XYZ 10.3791, 10.5196, 18.9362 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(80, 91, 119) looks like.

```
.text, #text, p{  
    color:rgb(80, 91, 119)  
}
```

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(80, 91, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 91, 119) }
```

Border

The CSS property to change the border of an element to XYZ 10.3791, 10.5196, 18.9362 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(80, 91, 119) }
```


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

```
.border{ border-color:rgb(80, 91, 119) }
```

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

Here you see how a box with a 4 pixel `rgb(80, 91, 119)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 91, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 91, 119);  
box-shadow:4px 4px 4px 4px rgb(80, 91,  
119) }
```

Background

The CSS property to change the background color of an element to XYZ 10.3791, 10.5196, 18.9362 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 91, 119) }
```

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

```
.background{ background-color: rgb(80, 91,  
119) }
```

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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