

Converting Colors

XYZ(10.0859, 11.6833, 19.1043)

Have a look what the booklet for
XYZ(10.0859, 11.6833, 19.1043)
contains.

XYZ(10.0978, 11.7293, 19.1845)	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(10.0978, 11.7293,
19.1845)**

Conversions

Conversions Part 1

Format	Color
Hex	406577
RGB	64, 101, 119
RGB Percent	25%, 40%, 47%
CMY	0.7490, 0.6039, 0.5333
CMYK	0.46, 0.15, 0.00, 0.53
HSL	200°, 30%, 36%
HSV	200°, 46%, 47%
XYZ	10.0978, 11.7293, 19.1845
YIQ	91.9890, -27.8300, -2.2460

Conversions

Conversions Part 2

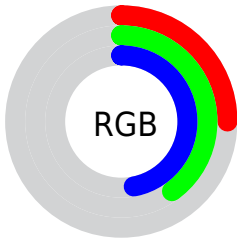
Format	Color
RYB	64, 86, 119
Decimal	4220279
CIELab	40.78, -7.94, -14.22
CIELCh	41, 16.289, 240.816
Yxy	11.7293, 0.2462, 0.2860
Android (android.graphics.Color)	4282410359 (0xFF406577)
YUV	91.9890, 13.3164, -24.5464
Hunter-Lab	34.2481, -7.3047, -9.2384

Details

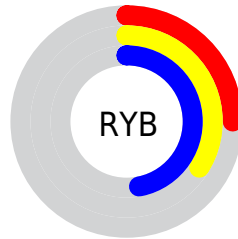
The XYZ color **10.0978, 11.7293, 19.1845** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **11.5506, 10.3268, 6.2353**, and the grayscale version is **10.1454, 10.6737, 11.6237**.

A 20% lighter version of the original color is **25.6492, 29.0416, 42.7818**, and **2.5945, 3.1644, 6.4353** is the 20% darker color. If you saturate the color by 10%, you get **9.0359, 10.6340, 19.0293**, and if you desaturate by 10%, it is **11.3436, 12.9465, 19.3540**.

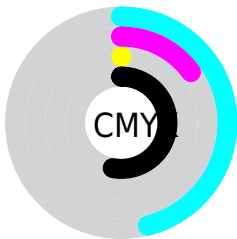
Distribution



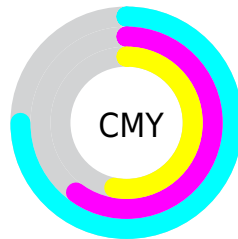
- Red (25%)
- Green (40%)
- Blue (47%)



- Red (25%)
- Yellow (34%)
- Blue (47%)



- Cyan (46%)
- Magenta (15%)
- Yellow (0%)
- Black (53%)



- Cyan (75%)
- Magenta (60%)
- Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 10.0978, 11.7293, 19.1845 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 10.0978, 11.7293, 19.1845 by changing the saturation by 10% instead.

■ 10.0978, 11.7293,
19.1845

■ 10.0978, 11.7293,
19.1845

185.4077,
202.6049, 259.9220

■ 5.5266, 6.5596,
11.6255

■ 25.6273, 29.0011,
42.8865

■ 2.5973, 3.1883,
6.3698

■ 37.3163, 41.8720,
59.8665

■ 0.9446, 1.2308,
2.9988

■ 52.1087, 58.0789,
80.8240

■ 0.0000, 0.0866,
1.0940

■ 70.3697, 78.0059,
106.1775

■ 0.0000, 0.0000,
0.0000

■ 92.4648, 102.0377,
136.3455

118.7592,

130.5585, 171.7466

149.6184,
163.9527, 212.7992

■ 10.0978, 11.7293,
19.1845

■ 10.0978, 11.7293,
19.1845

■ 9.0359, 10.6340,
19.0293

■ 11.3436, 12.9465,
19.3540

■ 8.1459, 9.6533,
18.8869

■ 12.7819, 14.2897,
19.5374

■ 7.4160, 8.7811,
18.7570

■ 14.4225, 15.7644,
19.7356

■ 6.8325, 8.0097,
18.6389

■ 16.2738, 17.3754,
19.9490

■ 6.3682, 7.3250,
18.5312

■ 18.3438, 19.1272,
20.1780

■ 6.2027, 7.0776,
18.4921

■ 20.6402, 21.0240,
20.4231

■ 23.1702, 23.0699,
20.6847

■ 25.9406, 25.2686,
20.9631

■ 28.9581, 27.6241,
21.2587

Harmonies

Analogous

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



9.3439, 11.7293, 16.3232



10.0978, 11.7293, 19.1845



11.1801, 11.7293, 20.2647

Triad

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



10.0978, 11.7293, 19.1845



13.5254, 11.7293, 12.6806



10.0465, 11.7293, 8.0414

Complementary

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



10.0978, 11.7293, 19.1845



11.5506, 10.3268, 6.2353

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.



11.1167, 11.7293, 7.3987



10.0978, 11.7293, 19.1845



13.1714, 11.7293, 9.7759

Square

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



10.0978, 11.7293, 19.1845



13.2068, 11.7293, 16.1387



12.2693, 11.7293, 7.9749



9.3157, 11.7293, 9.9081

Rectangle

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



10.0978, 11.7293, 19.1845



11.9582, 11.7293, 19.7048



12.2693, 11.7293, 7.9749



10.3759, 11.7293, 7.6912

Sweetspot

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



10.0982, 11.7297, 19.1848



26.4145, 28.7477, 35.4097



10.2123, 14.8842, 10.2018



6.1263, 6.6951, 8.3761



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.



10.0982, 11.7297, 19.1848



16.1493, 19.0090, 34.0710



7.8988, 7.3309, 18.4516



3.6871, 3.9629, 4.6608



6.5810, 7.5017, 19.6437



31.2643, 34.9452, 95.4576

Inverse Universe

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



11.7904, 8.5286, 13.3372



19.6803, 12.9499, 21.7304



13.9931, 15.2118, 7.0494



3.7781, 3.7385, 4.3582



9.6189, 4.7813, 8.4674



46.4675, 23.1371, 39.1210

Previews

White Background



This preview shows how the XYZ color 10.0978, 11.7293, 19.1845 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 10.0978, 11.7293, 19.1845 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

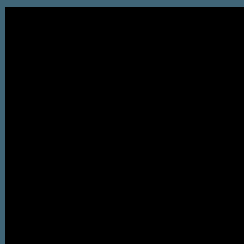
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

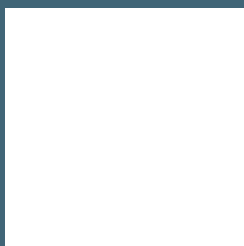
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 10.0978, 11.7293, 19.1845

Background



This preview shows how black text looks on a background with the XYZ color 10.0978, 11.7293, 19.1845.



This preview shows how white text looks on a background with the XYZ color 10.0978, 11.7293,

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

10.0978, 11.7293, 19.1845

Protanopia

11.6004, 11.6975, 17.8661

Deuteranopia

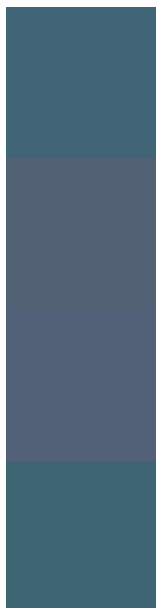
11.8675, 11.6612, 19.7145



Tritanopia

9.5451, 11.6425, 16.7831

Trichromacy



Original Color

10.0978, 11.7293, 19.1845

Protanomaly

10.9068, 11.6042, 18.1880

Deuteranomaly

11.1445, 11.6993, 19.4401

Tritanomaly

9.7752, 11.7418, 17.6708

Monochromacy



Original Color

10.0978, 11.7293, 19.1845

Achromatopsia

10.1725, 10.7023, 11.6548

Achromatomaly

9.9702, 10.9376, 14.1560

CSS Examples

Text

The CSS property to change the color of the text to XYZ 10.0978, 11.7293, 19.1845 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(64, 101, 119)` looks like.

```
.text, #text, p{  
    color:rgb(64, 101, 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(64, 101, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(64, 101, 119) }
```

Border

The CSS property to change the border of an element to XYZ 10.0978, 11.7293, 19.1845 is called "border". The border property can be set on classes, ids or directly on the HTML element.

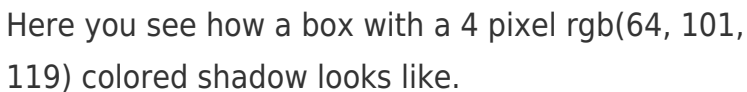
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(64, 101, 119) }
```


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

```
.border{ border-color:rgb(64, 101, 119) }
```

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



Here you see how a box with a 4 pixel rgb(64, 101, 119) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(64, 101, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(64, 101, 119);  
box-shadow:4px 4px 4px 4px rgb(64, 101,  
119) }
```

Background

The CSS property to change the background color of an element to XYZ 10.0978, 11.7293, 19.1845 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(64, 101, 119) }
```

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

```
.background{ background-color: rgb(64, 101,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor