

Converting Colors

XYZ(9.7815, 11.6606, 19.1668)

Have a look what the booklet for
XYZ(9.7815, 11.6606, 19.1668)
contains.

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Color

**XYZ(9.8261, 11.7342,
19.1998)**

Conversions

Conversions Part 1

Format	Color
Hex	3A6677
RGB	58, 102, 119
RGB Percent	23%, 40%, 47%
CMY	0.7725, 0.6000, 0.5333
CMYK	0.51, 0.14, 0.00, 0.53
HSL	197°, 34%, 35%
HSV	197°, 51%, 47%
XYZ	9.8261, 11.7342, 19.1998
YIQ	90.7820, -31.6810, -4.0410

Conversions

Conversions Part 2

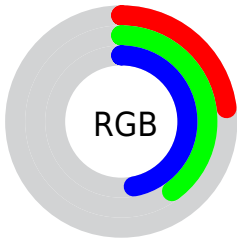
Format	Color
RYB	58, 84, 119
Decimal	3827319
CIELab	40.79, -10.12, -14.24
CIElCh	41, 17.468, 234.595
Yxy	11.7342, 0.2411, 0.2879
Android (android.graphics.Color)	4282017399 (0xFF3A6677)
YUV	90.7820, 13.9115, -28.7498
Hunter-Lab	34.2552, -8.7440, -9.2530

Details

The XYZ color **9.8261, 11.7342, 19.1998** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **10.8879, 9.2600, 5.2170**, and the grayscale version is **9.8695, 10.3834, 11.3076**.

A 20% lighter version of the original color is **25.0486, 28.9739, 42.8004**, and **2.5035, 3.1873, 6.4445** is the 20% darker color. If you saturate the color by 10%, you get **8.8933, 10.7793, 19.0649**, and if you desaturate by 10%, it is **10.9327, 12.7985, 19.3471**.

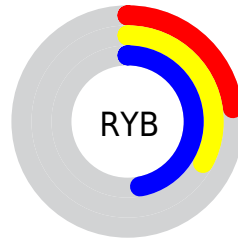
Distribution



Red (23%)

Green (40%)

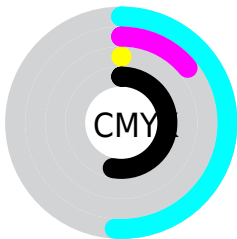
Blue (47%)



Red (23%)

Yellow (33%)

Blue (47%)

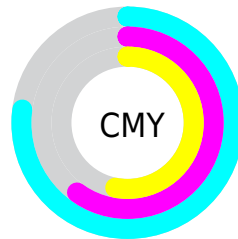


Cyan (51%)

Magenta (14%)

Yellow (0%)

Black (53%)



Cyan (77%)

Magenta (60%)

Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 9.8261, 11.7342, 19.1998 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 9.8261, 11.7342, 19.1998 by changing the saturation by 10% instead.

■ 9.8261, 11.7342,
19.1998

■ 9.8261, 11.7342,
19.1998

183.5061,
202.6376, 260.0089

■ 5.3452, 6.5630,
11.6365

■ 25.1206, 29.0101,
42.9126

■ 2.4880, 3.1903,
6.3771

■ 36.6648, 41.8835,
59.8992

■ 0.8892, 1.2319,
3.0033

■ 51.2942, 58.0931,
80.8639

■ 0.0000, 0.0875,
1.0963

■ 69.3741, 78.0233,
106.2254

■ 0.0000, 0.0000,
0.0000

■ 91.2699, 102.0584,
136.4021

■ 117.3469,

130.5829, 171.8125

147.9705,
163.9812, 212.8753

■ 9.8261, 11.7342,
19.1998

■ 9.8261, 11.7342,
19.1998

■ 8.8933, 10.7793,
19.0649

■ 10.9327, 12.7985,
19.3471

■ 8.1217, 9.9265,
18.9409

■ 12.2222, 13.9764,
19.5065

■ 7.4991, 9.1694,
18.8276

■ 13.7043, 15.2735,
19.6788

■ 7.0105, 8.5000,
18.7241

■ 15.3879, 16.6944,
19.8643

■ 6.6446, 7.9615,
18.6395

■ 17.2812, 18.2436,
20.0635

■ 19.3918, 19.9252,
20.2769

■ 21.7271, 21.7434,
20.5047

■ 24.2941, 23.7018,
20.7474

■ 27.0993, 25.8040,
21.0054

Harmonies

Analogous

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



9.1198, 11.7342, 15.8391



9.8261, 11.7342, 19.1998



10.9296, 11.7342, 20.8649

Triad

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



9.8261, 11.7342, 19.1998



13.7029, 11.7342, 13.4316



10.1885, 11.7342, 7.5129

Complementary

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



9.8261, 11.7342, 19.1998



10.8879, 9.2600, 5.2170

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.



11.3794, 11.7342, 7.1064



9.8261, 11.7342, 19.1998



13.4680, 11.7342, 10.1367

Square

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



9.8261, 11.7342, 19.1998



13.2145, 11.7342, 17.1618



12.5943, 11.7342, 7.9742



9.3179, 11.7342, 9.2102

Rectangle

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



9.8261, 11.7342, 19.1998



11.7655, 11.7342, 20.6022



12.5943, 11.7342, 7.9742



10.5621, 11.7342, 7.2358

Sweetspot

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



9.8265, 11.7346, 19.2001



26.2675, 28.8181, 35.4311



9.5872, 14.5915, 8.8374



6.1031, 6.7266, 8.3834



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.



9.8265, 11.7346, 19.2001



15.5801, 18.9328, 34.0863



7.4076, 6.8969, 18.3938



3.7012, 3.9910, 4.6655



7.0512, 8.4421, 19.8004



33.6128, 39.6421, 96.2404

Inverse Universe

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



11.5194, 7.9078, 13.4900



19.1337, 11.7386, 21.9125



13.3996, 14.2835, 6.0542



3.7852, 3.7414, 4.3956



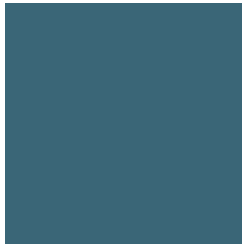
9.8563, 4.8762, 9.7171



47.6529, 23.6113, 45.3631

Previews

White Background



This preview shows how the XYZ color 9.8261, 11.7342, 19.1998 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 9.8261, 11.7342, 19.1998 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

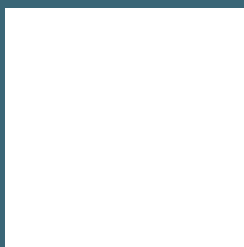
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 9.8261, 11.7342, 19.1998

Background



This preview shows how black text looks on a background with the XYZ color 9.8261, 11.7342, 19.1998.

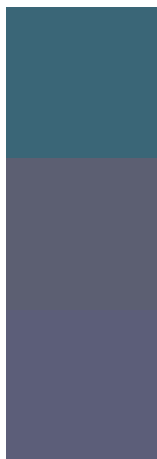


This preview shows how white text looks on a background with the XYZ color 9.8261, 11.7342,

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

9.8261, 11.7342, 19.1998

Protanopia

11.5431, 11.6746, 17.5646

Deuteranopia

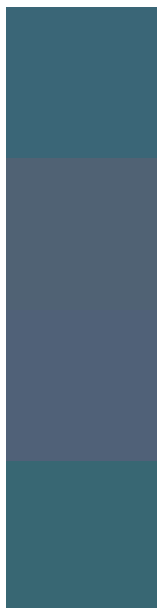
11.8675, 11.6612, 19.7145



Tritanopia

9.3504, 11.6826, 17.0914

Trichromacy



Original Color

9.8261, 11.7342, 19.1998

Protanomaly

10.8283, 11.7018, 18.2110

Deuteranomaly

10.9731, 11.6109, 19.4321

Tritanomaly

9.5756, 11.7791, 17.9886

Monochromacy



Original Color

9.8261, 11.7342, 19.1998

Achromatopsia

9.9438, 10.4616, 11.3927

Achromatomaly

9.6656, 10.7863, 13.8844

CSS Examples

Text

The CSS property to change the color of the text to XYZ 9.8261, 11.7342, 19.1998 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(58, 102, 119)` looks like.

```
.text, #text, p{  
    color:rgb(58, 102, 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(58, 102, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(58, 102, 119) }
```

Border

The CSS property to change the border of an element to XYZ 9.8261, 11.7342, 19.1998 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(58, 102, 119) }
```


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

```
.border{ border-color:rgb(58, 102, 119) }
```

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

Here you see how a box with a 4 pixel rgb(58, 102, 119) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(58, 102, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(58, 102, 119);  
box-shadow:4px 4px 4px 4px rgb(58, 102,  
119) }
```

Background

The CSS property to change the background color of an element to XYZ 9.8261, 11.7342, 19.1998 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(58, 102, 119) }
```

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

```
.background{ background-color: rgb(58, 102,  
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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