

Converting Colors

XYZ(9.9916, 10.3267, 18.6062)

Have a look what the booklet for
XYZ(9.9916, 10.3267, 18.6062)
contains.

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Color

**XYZ(9.9916, 10.3267,
18.6062)**

Conversions

Conversions Part 1

Format	Color
Hex	4C5B76
RGB	76, 91, 118
RGB Percent	30%, 36%, 46%
CMY	0.7020, 0.6431, 0.5373
CMYK	0.36, 0.23, 0.00, 0.54
HSL	219°, 22%, 38%
HSV	219°, 36%, 46%
XYZ	9.9916, 10.3267, 18.6062
YIQ	89.5930, -17.6070, 5.2170

Conversions

Conversions Part 2

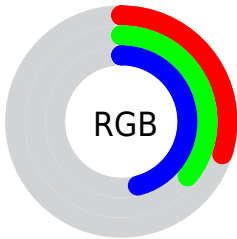
Format	Color
R_{YB}	76, 87, 118
Decimal	5004150
CIE Lab	38.42, 1.40, -17.15
CIE LCh	38, 17.209, 274.656
Yxy	10.3267, 0.2567, 0.2653
Android (android.graphics.Color)	4283194230 (0xFF4C5B76)
YUV	89.5930, 14.0047, -11.9211
Hunter-Lab	32.1352, -0.7366, -11.8342

Details

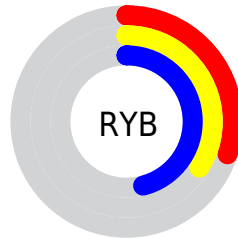
The XYZ color **9.9916, 10.3267, 18.6062** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **13.6262, 14.0740, 8.8362**, and the grayscale version is **9.6001, 10.1000, 10.9989**.

A 20% lighter version of the original color is **25.3848, 26.3877, 41.7856**, and **2.5892, 2.6574, 6.1708** is the 20% darker color. If you saturate the color by 10%, you get **8.5228, 8.6552, 18.3612**, and if you desaturate by 10%, it is **11.6987, 12.2188, 18.8816**.

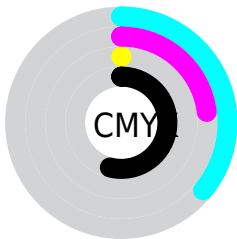
Distribution



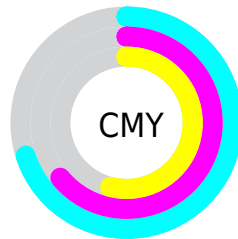
- Red (30%)
- Green (36%)
- Blue (46%)



- Red (30%)
- Yellow (34%)
- Blue (46%)



- Cyan (36%)
- Magenta (23%)
- Yellow (0%)
- Black (54%)



- Cyan (70%)
- Magenta (64%)
- Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 9.9916, 10.3267, 18.6062 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 9.9916, 10.3267, 18.6062 by changing the saturation by 10% instead.

■ 9.9916, 10.3267,
18.6062

■ 9.9916, 10.3267,
18.6062

184.6670,
192.9881, 256.6159

■ 5.4556, 5.6161,
11.2122

■ 25.4295, 26.4082,
41.8954

■ 2.5545, 2.6131,
6.0938

■ 37.0622, 38.5479,
58.6276

■ 0.9228, 0.9332,
2.8325

■ 51.7911, 53.9327,
79.3097

■ 0.0000, 0.0000,
1.0097

■ 69.9816, 72.9471,
104.3601

■ 0.0000, 0.0000,
0.0000

■ 91.9991, 95.9755,
134.1973

118.2089,

123.4022, 169.2400

148.9764,
155.6116, 209.9067

■ 9.9916, 10.3267,
18.6062

■ 9.9916, 10.3267,
18.6062

■ 8.5228, 8.6552,
18.3612

■ 11.6987, 12.2188,
18.8816

■ 7.2798, 7.1944,
18.1447

■ 13.6535, 14.3385,
19.1877

■ 6.2507, 5.9353,
17.9559

■ 15.8664, 16.6939,
19.5257

■ 5.4218, 4.8676,
17.7935

■ 18.3467, 19.2925,
19.8966

■ 4.7777, 3.9802,
17.6562

■ 21.1031, 22.1411,
20.3012

■ 4.2923, 3.2558,
17.5420

■ 24.1442, 25.2467,
20.7403

■ 4.1032, 2.9742,
17.4976

■ 27.4779, 28.6155,
21.2148

■ 31.1122, 32.2539,
21.7256

■ 35.0543, 36.1678,
22.2733

Harmonies

Analogous

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



8.9193, 10.3267, 17.8132



9.9916, 10.3267, 18.6062



11.0956, 10.3267, 17.1395

Triad

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



9.9916, 10.3267, 18.6062



11.7016, 10.3267, 8.0802



7.9895, 10.3267, 8.7982

Complementary

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



9.9916, 10.3267, 18.6062



13.6262, 14.0740, 8.8362

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.



8.6374, 10.3267, 6.8841



9.9916, 10.3267, 18.6062



10.7693, 10.3267, 6.5284

Square

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



9.9916, 10.3267, 18.6062



12.1296, 10.3267, 10.7493



9.6409, 10.3267, 6.1363



7.8157, 10.3267, 11.7537

Rectangle

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



9.9916, 10.3267, 18.6062



11.6848, 10.3267, 15.2161



9.6409, 10.3267, 6.1363



8.1565, 10.3267, 8.0314

Sweetspot

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



9.9919, 10.3271, 18.6064



25.6307, 26.9483, 33.9876



11.8873, 15.4649, 15.0857



5.8032, 6.1001, 7.8006



57.3938, 60.3827, 65.7568



6.9614, 7.3239, 7.9757

Same Dimension

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



9.9919, 10.3271, 18.6064



15.3524, 15.6414, 32.3469



9.2997, 8.2532, 18.2426



3.5978, 3.7842, 4.6310



4.4278, 3.1954, 18.9260



20.8332, 14.0829, 91.9805

Inverse Universe

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



11.9443, 9.7761, 11.1554



19.4152, 14.7640, 16.7810



14.5163, 16.9499, 9.3444



3.7330, 3.7205, 4.1207



8.5321, 4.3466, 2.7443



41.2024, 21.0311, 11.3949

Previews

White Background



This preview shows how the XYZ color 9.9916, 10.3267, 18.6062 looks on a white background.

Color Contrast Check

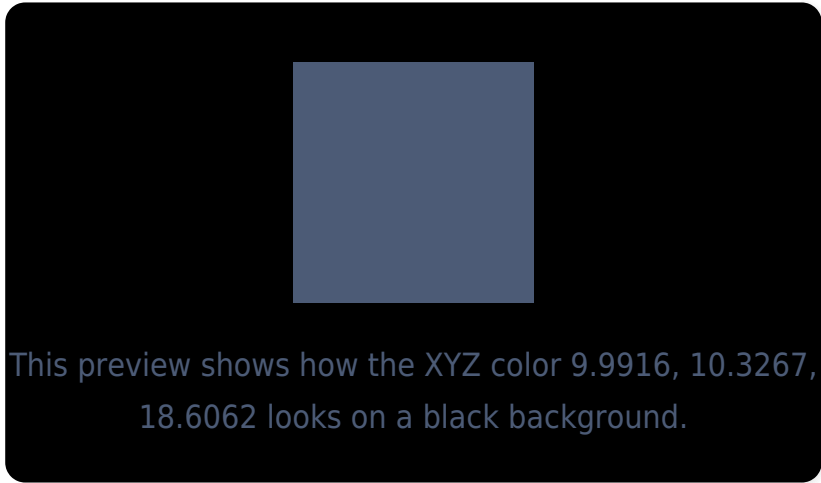
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



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

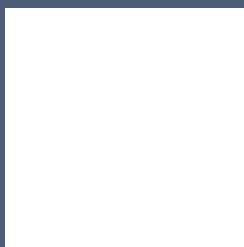
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 9.9916, 10.3267, 18.6062

Background



This preview shows how black text looks on a background with the XYZ color 9.9916, 10.3267, 18.6062.

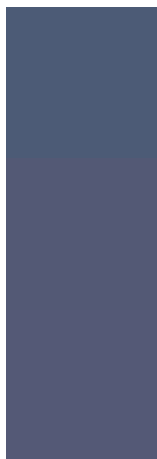


This preview shows how white text looks on a background with the XYZ color 9.9916, 10.3267, 18.6062.

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

9.9916, 10.3267, 18.6062

Protanopia

10.3505, 10.2681, 18.2660

Deuteranopia

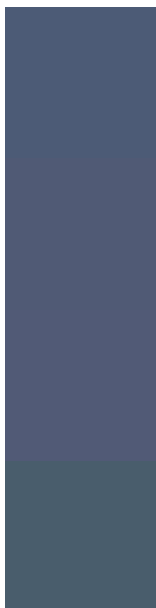
10.4985, 10.3376, 18.5816



Tritanopia

9.0735, 10.3424, 14.0884

Trichromacy



Original Color

9.9916, 10.3267, 18.6062

Protanomaly

10.1753, 10.3022, 18.2818

Deuteranomaly

10.3195, 10.3697, 18.5972

Tritanomaly

9.3688, 10.3279, 15.6870

Monochromacy



Original Color

9.9916, 10.3267, 18.6062

Achromatopsia

9.7181, 10.2242, 11.1341

Achromatomaly

9.7027, 10.1637, 13.5070

CSS Examples

Text

The CSS property to change the color of the text to XYZ 9.9916, 10.3267, 18.6062 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(76, 91, 118)` looks like.

```
.text, #text, p{  
    color:rgb(76, 91, 118)  
}
```

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(76, 91, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(76, 91, 118) }
```

Border

The CSS property to change the border of an element to XYZ 9.9916, 10.3267, 18.6062 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(76, 91, 118) }
```


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

```
.border{ border-color:rgb(76, 91, 118) }
```

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

Here you see how a box with a 4 pixel `rgb(76, 91, 118)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(76, 91, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(76, 91, 118);  
box-shadow:4px 4px 4px 4px rgb(76, 91,  
118) }
```

Background

The CSS property to change the background color of an element to XYZ 9.9916, 10.3267, 18.6062 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(76, 91, 118) }
```

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

```
.background{ background-color: rgb(76, 91,  
118) }
```

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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