

Converting Colors

XYZ(9.9658, 9.6930, 18.7984)

Have a look what the booklet for
XYZ(9.9658, 9.6930, 18.7984)
contains.

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Color

**XYZ(9.9658, 9.6930,
18.7984)**

Conversions

Conversions Part 1

Format	Color
Hex	505677
RGB	80, 86, 119
RGB Percent	31%, 34%, 47%
CMY	0.6863, 0.6627, 0.5333
CMYK	0.33, 0.28, 0.00, 0.53
HSL	231°, 20%, 39%
HSV	231°, 33%, 47%
XYZ	9.9658, 9.6930, 18.7984
YIQ	87.9680, -14.1690, 8.9910

Conversions

Conversions Part 2

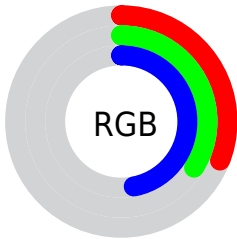
Format	Color
R_{YB}	80, 85, 119
Decimal	5265015
CIE _{Lab}	37.29, 6.09, -19.49
CIE _{LCh}	37, 20.424, 287.359
Yxy	9.6930, 0.2591, 0.2520
Android (android.graphics.Color)	4283455095 (0xFF505677)
YUV	87.9680, 15.2988, -6.9879
Hunter-Lab	31.1336, 2.6537, -14.0057

Details

The XYZ color **9.9658, 9.6930, 18.7984** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **14.9609, 16.3113, 9.9495**, and the grayscale version is **9.2390, 9.7201, 10.5852**.

A 20% lighter version of the original color is **25.3608, 25.2944, 42.0737**, and **2.5256, 2.3514, 6.1151** is the 20% darker color. If you saturate the color by 10%, you get **8.3006, 7.7242, 18.5063**, and if you desaturate by 10%, it is **11.9229, 11.9809, 19.1370**.

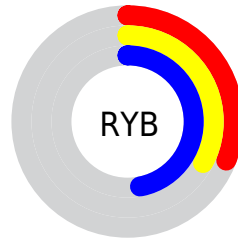
Distribution



Red (31%)

Green (34%)

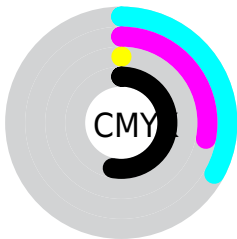
Blue (47%)



Red (31%)

Yellow (33%)

Blue (47%)

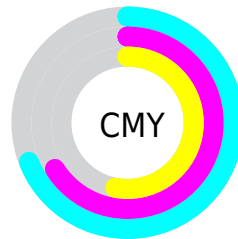


Cyan (33%)

Magenta (28%)

Yellow (0%)

Black (53%)



Cyan (69%)

Magenta (66%)

Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 9.9658, 9.6930, 18.7984 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 9.9658, 9.6930, 18.7984 by changing the saturation by 10% instead.

■ 9.9658, 9.6930,
18.7984

■ 9.9658, 9.6930,
18.7984

184.4865,
188.4667, 257.7191

■ 5.4384, 5.1959,
11.3494

■ 25.3814, 25.2164,
42.2253

■ 2.5441, 2.3626,
6.1852

■ 37.0003, 37.0116,
59.0403

■ 0.9175, 0.8066,
2.8874

■ 51.7138, 52.0081,
79.8143

■ 0.0000, 0.0000,
1.0374

■ 69.8871, 70.5906,
104.9659

■ 0.0000, 0.0000,
0.0000

■ 91.8857, 93.1432,
134.9136

118.0749,

120.0506, 170.0761

148.8200,
151.6969, 210.8717

■ 9.9658, 9.6930,
18.7984

■ 9.9658, 9.6930,
18.7984

■ 8.3006, 7.7242,
18.5063

■ 11.9229, 11.9809,
19.1370

■ 6.9123, 6.0591,
18.2581

■ 14.1841, 14.6000,
19.5234

■ 5.7858, 4.6827,
18.0518

■ 16.7621, 17.5635,
19.9595

■ 4.9043, 3.5782,
17.8851

■ 19.6684, 20.8831,
20.4471

■ 4.2492, 2.7271,
17.7553

■ 22.9142, 24.5703,
20.9877

■ 3.7978, 2.1081,
17.6596

■ 26.5100, 28.6358,
21.5829

■ 3.5512, 1.7747,
17.6083

■ 30.4658, 33.0901,
22.2342

■ 34.7913, 37.9432,
22.9430

■ 39.4958, 43.2048,
23.7106

Harmonies

Analogous

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



8.6855, 9.6930, 19.0196



9.9658, 9.6930, 18.7984



11.1417, 9.6930, 16.0761

Triad

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



9.9658, 9.6930, 18.7984



10.9801, 9.6930, 6.1769



7.0168, 9.6930, 9.0874

Complementary

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



9.9658, 9.6930, 18.7984



14.9609, 16.3113, 9.9495

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.



7.5207, 9.6930, 6.4680



9.9658, 9.6930, 18.7984



9.7613, 9.6930, 5.0681

Square

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



9.9658, 9.6930, 18.7984



11.7634, 9.6930, 8.5902



8.4989, 9.6930, 5.1606



7.0606, 9.6930, 12.7964

Rectangle

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



9.9658, 9.6930, 18.7984



11.6725, 9.6930, 13.5021



8.4989, 9.6930, 5.1606



7.1257, 9.6930, 8.0697

Sweetspot

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



9.9661, 9.6934, 18.7986



26.5080, 27.4219, 35.1489



12.8578, 16.0803, 17.9019



6.1623, 6.3607, 8.3096



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.



9.9661, 9.6934, 18.7986



15.6427, 14.7569, 33.2770



10.7128, 9.3966, 18.7020



3.5420, 3.6726, 4.6124



3.7678, 1.8752, 18.7059



17.9474, 8.3113, 91.0186

Inverse Universe

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



12.1564, 10.3314, 10.1580



20.2152, 16.1909, 15.2152



13.9888, 16.8372, 10.1022



3.7048, 3.7092, 3.9724



8.1989, 4.2133, 0.9898



39.7457, 20.4484, 3.7245

Previews

White Background



This preview shows how the XYZ color 9.9658, 9.6930, 18.7984 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 ✓ Pass

Black Background



This preview shows how the XYZ color 9.9658, 9.6930, 18.7984 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

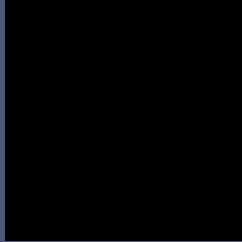
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 9.9658, 9.6930, 18.7984

Background



This preview shows how black text looks on a background with the XYZ color 9.9658, 9.6930, 18.7984.

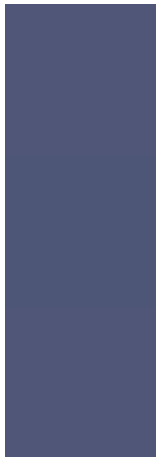


This preview shows how white text looks on a background with the XYZ color 9.9658, 9.6930,

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

9.9658, 9.6930, 18.7984

Protanopia

9.7994, 9.6072, 18.7906

Deuteranopia

9.8820, 9.6498, 18.7945



Tritanopia

8.7155, 9.6713, 12.7166

Trichromacy



Original Color

9.9658, 9.6930, 18.7984

Protanomaly

9.8820, 9.6498, 18.7945

Deuteranomaly

9.8820, 9.6498, 18.7945

Tritanomaly

9.1827, 9.7425, 14.7611

Monochromacy



Original Color

9.9658, 9.6930, 18.7984

Achromatopsia

9.2757, 9.7587, 10.6273

Achromatomaly

9.4066, 9.6485, 13.1710

CSS Examples

Text

The CSS property to change the color of the text to XYZ 9.9658, 9.6930, 18.7984 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, 86, 119)` looks like.

```
.text, #text, p{  
  color:rgb(80, 86, 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, 86, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 86, 119) }
```

Border

The CSS property to change the border of an element to XYZ 9.9658, 9.6930, 18.7984 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, 86, 119) }
```


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

```
.border{ border-color:rgb(80, 86, 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, 86, 119) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 86, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 86, 119);  
box-shadow:4px 4px 4px 4px rgb(80, 86,  
119) }
```

Background

The CSS property to change the background color of an element to XYZ 9.9658, 9.6930, 18.7984 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 86, 119) }
```

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

```
.background{ background-color: rgb(80, 86,  
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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