

Converting Colors

XYZ(10.3681, 9.8682, 18.2805)

Have a look what the booklet for
XYZ(10.3681, 9.8682, 18.2805)
contains.

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Color

**XYZ(10.3764, 9.9184,
18.1972)**

Conversions

Conversions Part 1

Format	Color
Hex	565675
RGB	86, 86, 117
RGB Percent	34%, 34%, 46%
CMY	0.6627, 0.6627, 0.5412
CMYK	0.26, 0.26, 0.00, 0.54
HSL	240°, 15%, 40%
HSV	240°, 26%, 46%
XYZ	10.3764, 9.9184, 18.1972
YIQ	89.5340, -9.9510, 9.6410

Conversions

Conversions Part 2

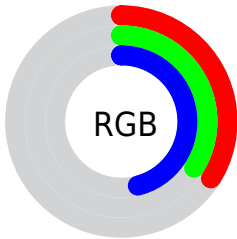
Format	Color
R_{YB}	86, 86, 117
Decimal	5658229
CIE Lab	37.70, 7.52, -17.59
CIE LCh	38, 19.128, 293.155
Yxy	9.9184, 0.2696, 0.2577
Android (android.graphics.Color)	4283848309 (0xFF565675)
YUV	89.5340, 13.5407, -3.0993
Hunter-Lab	31.4935, 3.6981, -12.2128

Details

The XYZ color **10.3764, 9.9184, 18.1972** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **15.3771, 17.1762, 11.3091**, and the grayscale version is **9.5867, 10.0860, 10.9836**.

A 20% lighter version of the original color is **26.1189, 25.7071, 41.1215**, and **2.7038, 2.4469, 5.9600** is the 20% darker color. If you saturate the color by 10%, you get **8.5272, 7.6903, 17.8648**, and if you desaturate by 10%, it is **12.5555, 12.5441, 18.5893**.

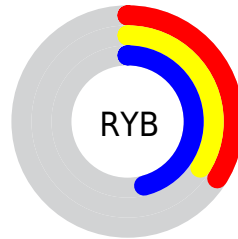
Distribution



Red (34%)

Green (34%)

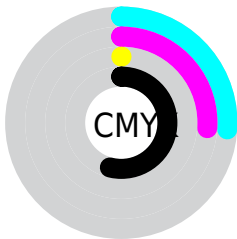
Blue (46%)



Red (34%)

Yellow (34%)

Blue (46%)

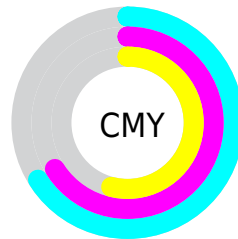


Cyan (26%)

Magenta (26%)

Yellow (0%)

Black (54%)



Cyan (66%)

Magenta (66%)

Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 10.3764, 9.9184, 18.1972 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 10.3764, 9.9184, 18.1972 by changing the saturation by 10% instead.

■ 10.3764, 9.9184,
18.1972

■ 10.3764, 9.9184,
18.1972

187.3358,
190.0887, 254.2536

■ 5.7134, 5.3449,
10.9208

■ 26.1444, 25.6419,
41.1915

■ 2.7106, 2.4510,
5.9001

■ 37.9801, 37.5607,
57.7465

■ 1.0026, 0.8519,
2.7166

■ 52.9375, 52.6967,
78.2314

■ 0.0000, 0.0000,
0.9518

■ 71.3818, 71.4343,
103.0647

■ 0.0000, 0.0000,
0.0000

■ 93.6784, 94.1579,
132.6651

120.1927,

121.2519, 167.4510

151.2901,
153.1007, 207.8410

■ 10.3764, 9.9184,
18.1972

■ 10.3764, 9.9184,
18.1972

■ 8.5272, 7.6903,
17.8648

■ 12.5555, 12.5441,
18.5893

■ 6.9910, 5.8393,
17.5884

■ 15.0786, 15.5842,
19.0431

■ 5.7508, 4.3449,
17.3654

■ 17.9599, 19.0559,
19.5614

■ 4.7875, 3.1841,
17.1921

■ 21.2126, 22.9751,
20.1464

■ 4.0799, 2.3315,
17.0648

■ 24.8494, 27.3571,
20.8006

■ 3.6036, 1.7576,
16.9791

■ 28.8821, 32.2162,
21.5259

■ 3.3068, 1.4000,
16.9258

■ 33.3223, 37.5662,
22.3246

■ 3.2110, 1.2845,
16.9085

■ 38.1809, 43.4204,
23.1984

■ 43.4684, 49.7914,
24.1495

Harmonies

Analogous

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



9.1513, 9.9184, 18.9021



10.3764, 9.9184, 18.1972



11.4240, 9.9184, 15.3312

Triad

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



10.3764, 9.9184, 18.1972



10.8993, 9.9184, 6.2796



7.2917, 9.9184, 10.0212

Complementary

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



10.3764, 9.9184, 18.1972



15.3771, 17.1762, 11.3091

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.



7.6777, 9.9184, 7.2623



10.3764, 9.9184, 18.1972



9.7085, 9.9184, 5.4235

Square

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



10.3764, 9.9184, 18.1972



11.7436, 9.9184, 8.3754



8.5376, 9.9184, 5.7400



7.4373, 9.9184, 13.6512

Rectangle

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



10.3764, 9.9184, 18.1972



11.8457, 9.9184, 12.8576



8.5376, 9.9184, 5.7400



7.3624, 9.9184, 8.9735

Sweetspot

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



10.3767, 9.9188, 18.1974



26.1831, 26.9208, 33.9532



13.3798, 15.9734, 19.0490



5.8845, 6.0264, 7.7820



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.



10.3767, 9.9188, 18.1974



16.4179, 15.1545, 32.1968



11.9038, 10.7059, 18.2689



3.5006, 3.5899, 4.5987



3.5378, 1.4152, 18.6293



17.2398, 6.8961, 90.7827

Inverse Universe

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



12.3439, 11.1096, 10.2984



20.5921, 17.6813, 15.4355



13.5226, 16.2204, 11.2224



3.6840, 3.7009, 3.8625



8.0828, 4.1668, 0.3784



39.3886, 20.3056, 1.8437

Previews

White Background



This preview shows how the XYZ color 10.3764, 9.9184, 18.1972 looks on a white background.

Color Contrast Check

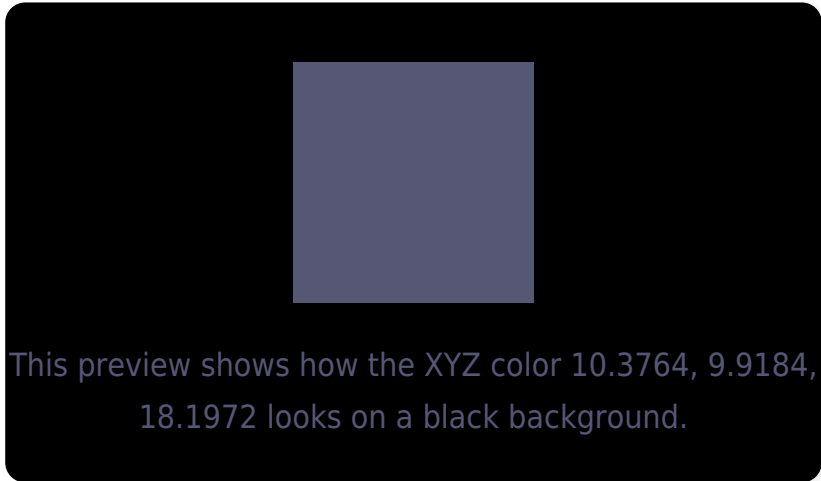
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



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 10.3764, 9.9184, 18.1972

Background



This preview shows how black text looks on a background with the XYZ color 10.3764, 9.9184, 18.1972.

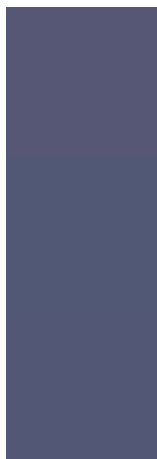


This preview shows how white text looks on a background with the XYZ color 10.3764, 9.9184,

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

10.3764, 9.9184, 18.1972

Protanopia

10.0680, 9.9929, 18.5377

Deuteranopia

10.0988, 9.8946, 18.2072



Tritanopia

9.2935, 9.9692, 12.7437

Trichromacy



Original Color

10.3764, 9.9184, 18.1972

Protanomaly

10.1579, 9.9182, 18.5186

Deuteranomaly

10.1864, 9.9397, 18.2113

Tritanomaly

9.6383, 9.9832, 14.5157

Monochromacy



Original Color

10.3764, 9.9184, 18.1972

Achromatopsia

9.7181, 10.2242, 11.1341

Achromatomaly

9.9925, 10.1887, 13.4965

CSS Examples

Text

The CSS property to change the color of the text to XYZ 10.3764, 9.9184, 18.1972 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(86, 86, 117) looks like.

```
.text, #text, p{  
    color:rgb(86, 86, 117)  
}
```

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(86, 86, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(86, 86, 117) }
```

Border

The CSS property to change the border of an element to XYZ 10.3764, 9.9184, 18.1972 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(86, 86, 117) }
```


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

```
.border{ border-color:rgb(86, 86, 117) }
```

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

Here you see how a box with a 4 pixel `rgb(86, 86, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(86, 86, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(86, 86, 117);  
box-shadow:4px 4px 4px 4px rgb(86, 86,  
117) }
```

Background

The CSS property to change the background color of an element to XYZ 10.3764, 9.9184, 18.1972 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(86, 86, 117) }
```

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

```
.background{ background-color: rgb(86, 86,  
117) }
```

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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