

Converting Colors

XYZ(9.7051, 10.0893, 19.1903)

Have a look what the booklet for
XYZ(9.7051, 10.0893, 19.1903)
contains.

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Color

**XYZ(9.6449, 10.0080,
19.1927)**

Conversions

Conversions Part 1

Format	Color
Hex	475A78
RGB	71, 90, 120
RGB Percent	28%, 35%, 47%
CMY	0.7216, 0.6471, 0.5294
CMYK	0.41, 0.25, 0.00, 0.53
HSL	217°, 26%, 37%
HSV	217°, 41%, 47%
XYZ	9.6449, 10.0080, 19.1927
YIQ	87.7390, -20.9540, 5.3020

Conversions

Conversions Part 2

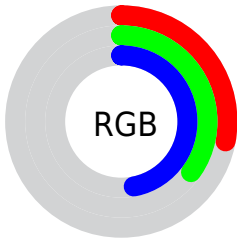
Format	Color
R_{YB}	71, 85, 120
Decimal	4676216
CIE _{Lab}	37.86, 1.07, -19.28
CIE _{LCh}	38, 19.312, 273.187
Yxy	10.0080, 0.2483, 0.2576
Android (android.graphics.Color)	4282866296 (0xFF475A78)
YUV	87.7390, 15.9047, -14.6801
Hunter-Lab	31.6354, -0.9415, -13.8255

Details

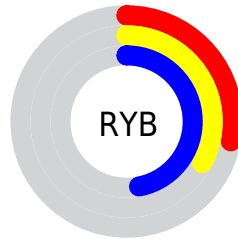
The XYZ color **9.6449, 10.0080, 19.1927** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **13.5371, 13.7558, 7.9033**, and the grayscale version is **9.1890, 9.6676, 10.5280**.

A 20% lighter version of the original color is **24.7096, 25.7997, 42.7072**, and **2.4066, 2.5023, 6.3174** is the 20% darker color. If you saturate the color by 10%, you get **8.2609, 8.4198, 18.9593**, and if you desaturate by 10%, it is **11.2647, 11.8092, 19.4552**.

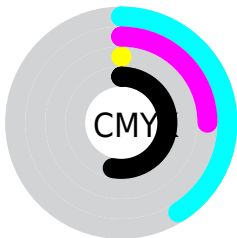
Distribution



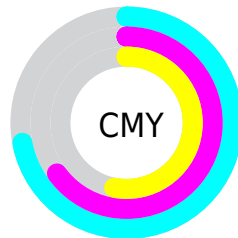
- Red (28%)
- Green (35%)
- Blue (47%)



- Red (28%)
- Yellow (33%)
- Blue (47%)



- Cyan (41%)
- Magenta (25%)
- Yellow (0%)
- Black (53%)



- Cyan (72%)
- Magenta (65%)
- Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 9.6449, 10.0080, 19.1927 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 9.6449, 10.0080, 19.1927 by changing the saturation by 10% instead.

■ 9.6449, 10.0080,
19.1927

■ 9.6449, 10.0080,
19.1927

182.2257,
190.7292, 259.9686

■ 5.2246, 5.4043,
11.6314

■ 24.7812, 25.8105,
42.9005

■ 2.4158, 2.4864,
6.3737

■ 36.2279, 37.7781,
59.8840

■ 0.8530, 0.8698,
3.0012

■ 50.7475, 52.9692,
80.8454

■ 0.0000, 0.0000,
1.0952

■ 68.7053, 71.7680,
106.2032

■ 0.0000, 0.0000,
0.0000

■ 90.4666, 94.5590,
136.3758

116.3969,

121.7266, 171.7819

146.8615,
153.6552, 212.8400

■ 9.6449, 10.0080,
19.1927

■ 9.6449, 10.0080,
19.1927

■ 8.2609, 8.4198,
18.9593

■ 11.2647, 11.8092,
19.4552

■ 7.0996, 7.0345,
18.7531

■ 13.1304, 13.8304,
19.7470

■ 6.1482, 5.8429,
18.5732

■ 15.2528, 16.0798,
20.0693

■ 5.3918, 4.8346,
18.4185

■ 17.6417, 18.5649,
20.4230

■ 4.8135, 3.9978,
18.2874

■ 20.3062, 21.2925,
20.8091

■ 4.3880, 3.3518,
18.1852

■ 23.2551, 24.2694,
21.2283

■ 26.4969, 27.5020,
21.6814

■ 30.0396, 30.9966,
22.1692

■ 33.8908, 34.7591,
22.6924

Harmonies

Analogous

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



8.4811, 10.0080, 18.1610



9.6449, 10.0080, 19.1927



10.8718, 10.0080, 17.6348

Triad

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



9.6449, 10.0080, 19.1927



11.6406, 10.0080, 7.5830



7.5470, 10.0080, 8.1089

Complementary

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



9.6449, 10.0080, 19.1927



13.5371, 13.7558, 7.9033

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.



8.2711, 10.0080, 6.1399



9.6449, 10.0080, 19.1927



10.6239, 10.0080, 5.8857

Square

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



9.6449, 10.0080, 19.1927



12.0850, 10.0080, 10.5234



9.3809, 10.0080, 5.4206



7.3334, 10.0080, 11.2794

Rectangle

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



9.6449, 10.0080, 19.1927



11.5423, 10.0080, 15.4998



9.3809, 10.0080, 5.4206



7.7355, 10.0080, 7.3096

Sweetspot

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



9.6452, 10.0084, 19.1929



26.2519, 27.6771, 35.2117



11.6350, 15.7007, 14.5760



6.1309, 6.4638, 8.3312



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.



9.6452, 10.0084, 19.1929



14.6711, 14.9742, 33.3701



8.6164, 7.3954, 18.7428



3.9133, 4.1248, 5.0331



4.7739, 3.6302, 19.8344



21.9993, 15.7712, 94.3544

Inverse Universe

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



11.8448, 9.2381, 10.8321



19.1974, 13.7645, 16.0805



14.9375, 17.5397, 8.5599



4.0567, 4.0384, 4.4961



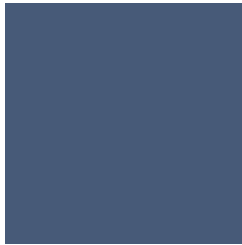
8.9930, 4.5733, 3.2539



42.5074, 21.6593, 13.4677

Previews

White Background



This preview shows how the XYZ color 9.6449, 10.0080, 19.1927 looks on a white background.

Color Contrast Check

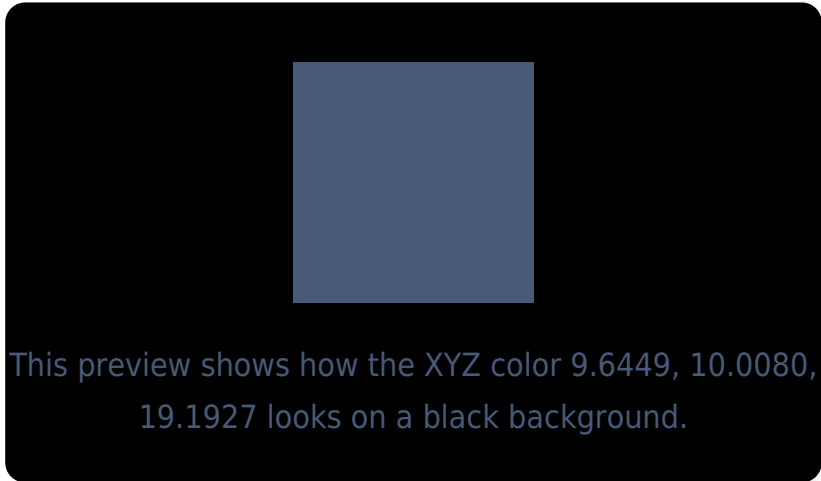
Large Text (above 18pt) WCAG AA ✓ Pass

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 ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

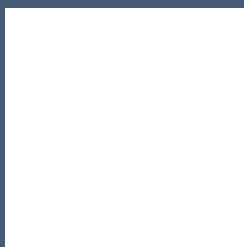
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 9.6449, 10.0080, 19.1927

Background



This preview shows how black text looks on a background with the XYZ color 9.6449, 10.0080, 19.1927.

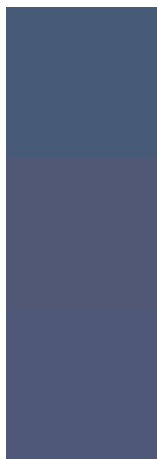


This preview shows how white text looks on a background with the XYZ color 9.6449, 10.0080,

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

9.6449, 10.0080, 19.1927

Protanopia

10.0680, 9.9929, 18.5377

Deuteranopia

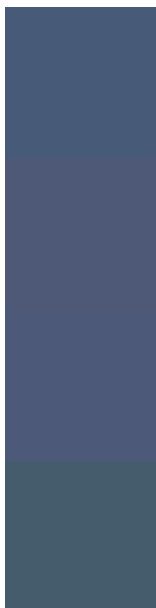
10.2492, 10.0654, 19.4918



Tritanopia

8.5101, 9.9265, 13.7794

Trichromacy



Original Color

9.6449, 10.0080, 19.1927

Protanomaly

9.9627, 10.0544, 18.8684

Deuteranomaly

10.0841, 10.1030, 19.5077

Tritanomaly

8.9178, 9.9659, 15.6410

Monochromacy



Original Color

9.6449, 10.0080, 19.1927

Achromatopsia

9.2757, 9.7587, 10.6273

Achromatomaly

9.3523, 9.8587, 13.4666

CSS Examples

Text

The CSS property to change the color of the text to XYZ 9.6449, 10.0080, 19.1927 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(71, 90, 120)` looks like.

```
.text, #text, p{  
    color:rgb(71, 90, 120)  
}
```

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(71, 90, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(71, 90, 120) }
```

Border

The CSS property to change the border of an element to XYZ 9.6449, 10.0080, 19.1927 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(71, 90, 120) }
```


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

```
.border{ border-color:rgb(71, 90, 120) }
```

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

Here you see how a box with a 4 pixel rgb(71, 90, 120) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(71, 90, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(71, 90, 120);  
box-shadow:4px 4px 4px 4px rgb(71, 90,  
120) }
```

Background

The CSS property to change the background color of an element to XYZ 9.6449, 10.0080, 19.1927 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(71, 90, 120) }
```

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

```
.background{ background-color: rgb(71, 90,  
120) }
```

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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