

Converting Colors

XYZ(9.8493, 10.1499, 18.3952)

Have a look what the booklet for
XYZ(9.8493, 10.1499, 18.3952)
contains.

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Color

**XYZ(9.8475, 10.1332,
18.2665)**

Conversions

Conversions Part 1

Format	Color
Hex	4C5A75
RGB	76, 90, 117
RGB Percent	30%, 35%, 46%
CMY	0.7020, 0.6471, 0.5412
CMYK	0.35, 0.23, 0.00, 0.54
HSL	220°, 21%, 38%
HSV	220°, 35%, 46%
XYZ	9.8475, 10.1332, 18.2665
YIQ	88.8920, -17.0110, 5.4290

Conversions

Conversions Part 2

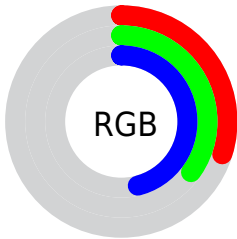
Format	Color
R_{YB}	76, 86, 117
Decimal	5003893
CIE Lab	38.08, 1.73, -17.06
CIE LCh	38, 17.150, 275.794
Yxy	10.1332, 0.2575, 0.2649
Android (android.graphics.Color)	4283193973 (0xFF4C5A75)
YUV	88.8920, 13.8572, -11.3063
Hunter-Lab	31.8327, -0.4879, -11.7394

Details

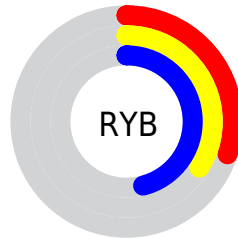
The XYZ color **9.8475, 10.1332, 18.2665** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **13.4909, 14.0041, 8.8297**, and the grayscale version is **9.4449, 9.9368, 10.8212**.

A 20% lighter version of the original color is **25.1437, 26.0564, 41.2403**, and **2.5193, 2.5677, 5.9931** is the 20% darker color. If you saturate the color by 10%, you get **8.3847, 8.4640, 18.0216**, and if you desaturate by 10%, it is **11.5475, 12.0251, 18.5423**.

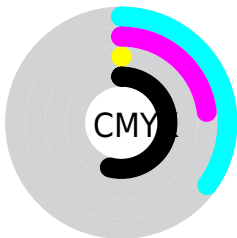
Distribution



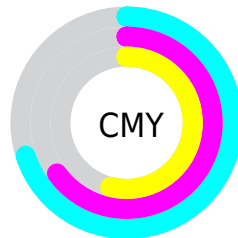
- Red (30%)
- Green (35%)
- Blue (46%)



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



- Cyan (35%)
- Magenta (23%)
- Yellow (0%)
- Black (54%)



- Cyan (70%)
- Magenta (65%)
- Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 9.8475, 10.1332, 18.2665 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 9.8475, 10.1332, 18.2665 by changing the saturation by 10% instead.

■ 9.8475, 10.1332,
18.2665

■ 9.8475, 10.1332,
18.2665

183.6566,
191.6201, 254.6553

■ 5.3595, 5.4874,
10.9701

■ 25.1606, 26.0457,
41.3110

■ 2.4966, 2.5360,
5.9328

■ 36.7163, 38.0812,
57.8961

■ 0.8935, 0.8946,
2.7361

■ 51.3586, 53.3487,
78.4145

■ 0.0000, 0.0000,
0.9615

■ 69.4529, 72.2326,
103.2848

■ 0.0000, 0.0000,
0.0000

■ 91.3644, 95.1173,
132.9255

117.4587,

122.3872, 167.7551

148.1010,
154.4267, 208.1922

■ 9.8475, 10.1332,
18.2665

■ 9.8475, 10.1332,
18.2665

■ 8.3847, 8.4640,
18.0216

■ 11.5475, 12.0251,
18.5423

■ 7.1468, 7.0076,
17.8057

■ 13.4940, 14.1468,
18.8492

■ 6.1219, 5.7548,
17.6179

■ 15.6973, 16.5065,
19.1885

■ 5.2967, 4.6954,
17.4569

■ 18.1664, 19.1118,
19.5613

■ 4.6560, 3.8180,
17.3213

■ 20.9103, 21.9696,
19.9683

■ 4.1758, 3.1064,
17.2093

■ 23.9373, 25.0868,
20.4104

■ 3.9682, 2.7989,
17.1609

■ 27.2553, 28.4700,
20.8885

■ 30.8721, 32.1254,
21.4035

■ 34.7950, 36.0591,
21.9560

Harmonies

Analogous

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



8.7857, 10.1332, 17.5699



9.8475, 10.1332, 18.2665



10.9289, 10.1332, 16.7451

Triad

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



9.8475, 10.1332, 18.2665



11.4606, 10.1332, 7.8418



7.8196, 10.1332, 8.7206

Complementary

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



9.8475, 10.1332, 18.2665



13.4909, 14.0041, 8.8297

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.



8.4407, 10.1332, 6.7951



9.8475, 10.1332, 18.2665



10.5295, 10.1332, 6.3599

Square

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



9.8475, 10.1332, 18.2665



11.9049, 10.1332, 10.4301



9.4183, 10.1332, 6.0170



7.6674, 10.1332, 11.6594

Rectangle

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



9.8475, 10.1332, 18.2665



11.4986, 10.1332, 14.8221



9.4183, 10.1332, 6.0170



7.9780, 10.1332, 7.9524

Sweetspot

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



9.8478, 10.1336, 18.2667



25.5915, 26.8698, 33.9746



11.7726, 15.2315, 15.0597



5.7934, 6.0806, 7.7973



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.



9.8478, 10.1336, 18.2667



15.4948, 15.7110, 32.3529



9.2882, 8.2540, 17.9334



3.5934, 3.7755, 4.6296



4.3585, 3.0568, 18.9029



20.5149, 13.4464, 91.8745

Inverse Universe

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



11.7663, 9.6892, 10.9234



19.5395, 15.0146, 16.8163



14.2027, 16.6144, 9.2960



3.7308, 3.7196, 4.1091



8.4971, 4.3326, 2.5601



41.0417, 20.9668, 10.5491

Previews

White Background



This preview shows how the XYZ color 9.8475, 10.1332, 18.2665 looks on a white background.

Color Contrast Check

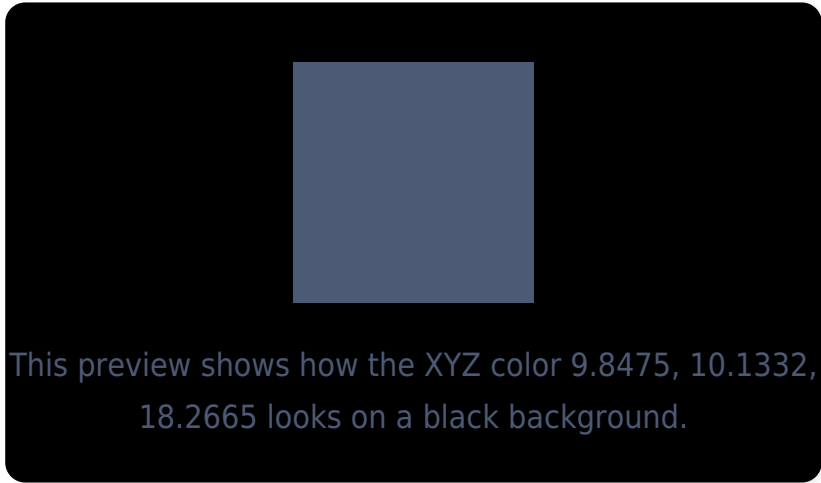
Large Text (above 18pt) WCAG AA ✓ Pass

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

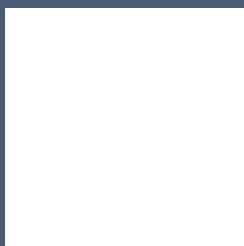
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 9.8475, 10.1332, 18.2665

Background



This preview shows how black text looks on a background with the XYZ color 9.8475, 10.1332, 18.2665.

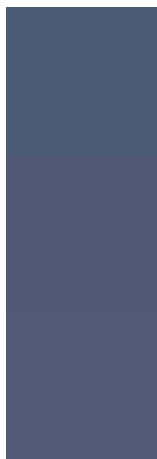


This preview shows how white text looks on a background with the XYZ color 9.8475, 10.1332,

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

9.8475, 10.1332, 18.2665

Protanopia

10.1218, 10.0342, 17.9263

Deuteranopia

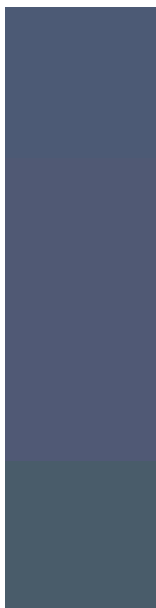
10.2679, 10.1028, 18.2385



Tritanopia

8.8871, 10.1265, 13.5428

Trichromacy



Original Color

9.8475, 10.1332, 18.2665

Protanomaly

10.0330, 10.1112, 17.9459

Deuteranomaly

10.0915, 10.1346, 18.2539

Tritanomaly

9.1763, 10.1114, 15.1037

Monochromacy



Original Color

9.8475, 10.1332, 18.2665

Achromatopsia

9.4954, 9.9899, 10.8790

Achromatomaly

9.4807, 9.9304, 13.2215

CSS Examples

Text

The CSS property to change the color of the text to XYZ 9.8475, 10.1332, 18.2665 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, 90, 117)` looks like.

```
.text, #text, p{  
    color:rgb(76, 90, 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(76, 90, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(76, 90, 117) }
```

Border

The CSS property to change the border of an element to XYZ 9.8475, 10.1332, 18.2665 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, 90, 117) }
```


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

```
.border{ border-color:rgb(76, 90, 117) }
```

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

Here you see how a box with a 4 pixel `rgb(76, 90, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(76, 90, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(76, 90, 117);  
box-shadow:4px 4px 4px 4px rgb(76, 90,  
117) }
```

Background

The CSS property to change the background color of an element to XYZ 9.8475, 10.1332, 18.2665 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(76, 90, 117) }
```

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

```
.background{ background-color: rgb(76, 90,  
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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