

Converting Colors

XYZ(9.8913, 10.0767, 19.6717)

Have a look what the booklet for
XYZ(9.8913, 10.0767, 19.6717)
contains.

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Color

**XYZ(9.9314, 10.1487,
19.5246)**

Conversions

Conversions Part 1

Format	Color
Hex	4A5A79
RGB	74, 90, 121
RGB Percent	29%, 35%, 47%
CMY	0.7098, 0.6471, 0.5255
CMYK	0.39, 0.26, 0.00, 0.53
HSL	220°, 24%, 38%
HSV	220°, 39%, 47%
XYZ	9.9314, 10.1487, 19.5246
YIQ	88.7500, -19.4870, 6.2490

Conversions

Conversions Part 2

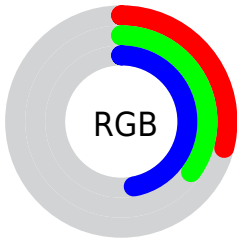
Format	Color
R_{YB}	74, 86, 121
Decimal	4872825
CIE _{Lab}	38.11, 2.28, -19.49
CIE _{LCh}	38, 19.624, 276.665
Yxy	10.1487, 0.2508, 0.2562
Android (android.graphics.Color)	4283062905 (0xFF4A5A79)
YUV	88.7500, 15.8993, -12.9357
Hunter-Lab	31.8570, -0.1026, -14.0379

Details

The XYZ color **9.9314, 10.1487, 19.5246** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **14.1729, 14.6626, 8.5621**, and the grayscale version is **9.4097, 9.8998, 10.7809**.

A 20% lighter version of the original color is **25.2331, 26.0584, 43.2350**, and **2.5341, 2.5643, 6.4923** is the 20% darker color. If you saturate the color by 10%, you get **8.4506, 8.4393, 19.2729**, and if you desaturate by 10%, it is **11.6644, 12.0959, 19.8093**.

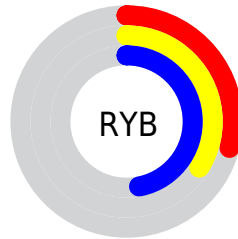
Distribution



Red (29%)

Green (35%)

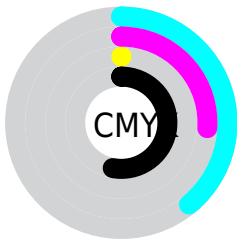
Blue (47%)



Red (29%)

Yellow (34%)

Blue (47%)

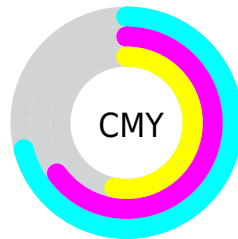


Cyan (39%)

Magenta (26%)

Yellow (0%)

Black (53%)



Cyan (71%)

Magenta (65%)

Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 9.9314, 10.1487, 19.5246 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 9.9314, 10.1487, 19.5246 by changing the saturation by 10% instead.

■ 9.9314, 10.1487,
19.5246

■ 9.9314, 10.1487,
19.5246

184.2456,
191.7301, 261.8483

■ 5.4154, 5.4977,
11.8693

■ 25.3172, 26.0748,
43.4671

■ 2.5302, 2.5421,
6.5333

■ 36.9178, 38.1187,
60.5915

■ 0.9105, 0.8977,
3.0980

■ 51.6106, 53.3956,
81.7092

■ 0.0000, 0.0000,
1.1449

■ 69.7610, 72.2900,
107.2389

■ 0.0000, 0.0000,
0.0000

■ 91.7343, 95.1863,
137.5992

117.8960,

122.4688, 173.2084

148.6113,
154.5219, 214.4853

■ 9.9314, 10.1487,
19.5246

■ 9.9314, 10.1487,
19.5246

■ 8.4506, 8.4393,
19.2729

■ 11.6644, 12.0959,
19.8093

■ 7.2084, 6.9566,
19.0522

■ 13.6603, 14.2889,
20.1274

■ 6.1913, 5.6904,
18.8614

■ 15.9303, 16.7369,
20.4803

■ 5.3842, 4.6290,
18.6990

■ 18.4846, 19.4481,
20.8689

■ 4.7695, 3.7596,
18.5636

■ 21.3330, 22.4303,
21.2944

■ 4.3009, 3.0538,
18.4521

■ 24.4848, 25.6911,
21.7577

■ 4.2509, 2.9798,
18.4404

■ 27.9487, 29.2378,
22.2597

■ 31.7332, 33.0772,
22.8013

■ 35.8465, 37.2160,
23.3834

Harmonies

Analogous

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



8.7133, 10.1487, 18.7697



9.9314, 10.1487, 19.5246



11.1743, 10.1487, 17.6410

Triad

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



9.9314, 10.1487, 19.5246



11.7340, 10.1487, 7.3873



7.5785, 10.1487, 8.5117

Complementary

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



9.9314, 10.1487, 19.5246



14.1729, 14.6626, 8.5621

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.



8.2639, 10.1487, 6.3472



9.9314, 10.1487, 19.5246



10.6431, 10.1487, 5.8042

Square

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



9.9314, 10.1487, 19.5246



12.2723, 10.1487, 10.2605



9.3662, 10.1487, 5.4702



7.4240, 10.1487, 11.8795

Rectangle

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



9.9314, 10.1487, 19.5246



11.8267, 10.1487, 15.3425



9.3662, 10.1487, 5.4702



7.7514, 10.1487, 7.6439

Sweetspot

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



9.9317, 10.1491, 19.5248



27.0643, 28.4027, 36.4487



12.1884, 16.1415, 15.7171



6.0971, 6.3961, 8.3199



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.



9.9317, 10.1491, 19.5248



15.2961, 15.3039, 34.5407



9.2979, 8.0299, 19.1492



3.8989, 4.0960, 5.0283



4.5457, 3.1738, 19.7583



20.9655, 13.7036, 94.0098

Inverse Universe

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



12.1797, 9.7010, 10.9039



20.0397, 14.6939, 16.2735



15.0065, 17.7434, 9.1128



4.0494, 4.0355, 4.4578



8.8778, 4.5273, 2.6473



41.9855, 21.4506, 10.7199

Previews

White Background



This preview shows how the XYZ color 9.9314, 10.1487, 19.5246 looks on a white background.

Color Contrast Check

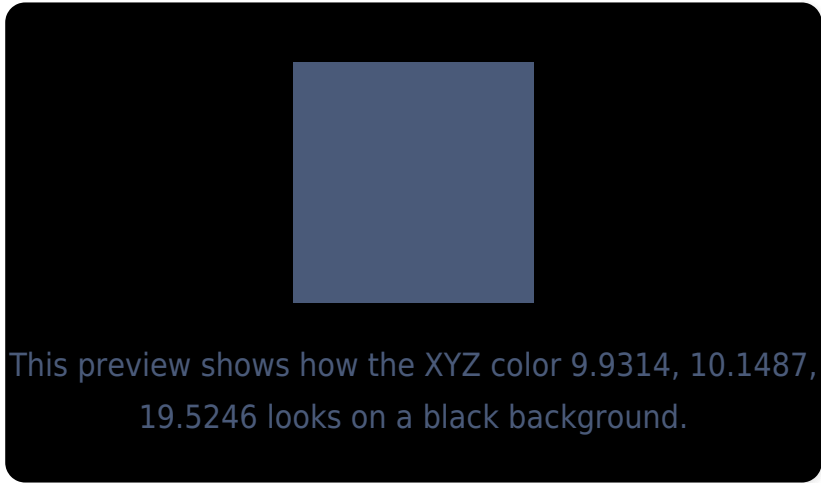
Large Text (above 18pt) WCAG AA ✓ Pass

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

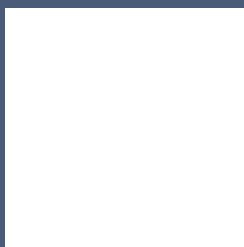
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 9.9314, 10.1487, 19.5246

Background



This preview shows how black text looks on a background with the XYZ color 9.9314, 10.1487, 19.5246.

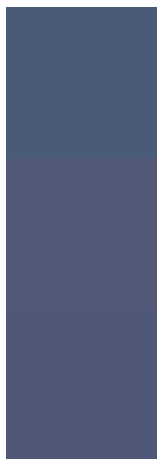


This preview shows how white text looks on a background with the XYZ color 9.9314, 10.1487,

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

9.9314, 10.1487, 19.5246

Protanopia

10.2732, 10.0848, 19.1744

Deuteranopia

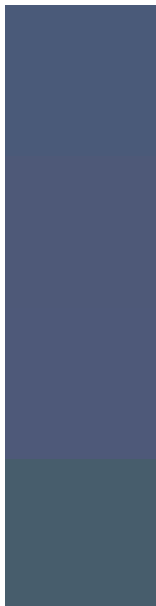
10.2492, 10.0654, 19.4918



Tritanopia

8.8059, 10.2102, 13.8186

Trichromacy



Original Color

9.9314, 10.1487, 19.5246

Protanomaly

10.1044, 10.1205, 19.1902

Deuteranomaly

10.1655, 10.1449, 19.5116

Tritanomaly

9.2197, 10.2510, 15.6801

Monochromacy



Original Color

9.9314, 10.1487, 19.5246

Achromatopsia

9.4954, 9.9899, 10.8790

Achromatomaly

9.5775, 9.9692, 13.7314

CSS Examples

Text

The CSS property to change the color of the text to XYZ 9.9314, 10.1487, 19.5246 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(74, 90, 121)` looks like.

```
.text, #text, p{  
    color:rgb(74, 90, 121)  
}
```

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(74, 90, 121) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(74, 90, 121) }
```

Border

The CSS property to change the border of an element to XYZ 9.9314, 10.1487, 19.5246 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(74, 90, 121) }
```


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

```
.border{ border-color:rgb(74, 90, 121) }
```

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

Here you see how a box with a 4 pixel `rgb(74, 90, 121)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(74, 90, 121); -webkit-box-  
shadow:4px 4px 4px 4px rgb(74, 90, 121);  
box-shadow:4px 4px 4px 4px rgb(74, 90,  
121) }
```

Background

The CSS property to change the background color of an element to XYZ 9.9314, 10.1487, 19.5246 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(74, 90, 121) }
```

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

```
.background{ background-color: rgb(74, 90,  
121) }
```

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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