

Converting Colors

XYZ(9.9807, 10.5942, 20.0651)

Have a look what the booklet for
XYZ(9.9807, 10.5942, 20.0651)
contains.

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Color

**XYZ(9.9530, 10.5359,
19.9214)**

Conversions

Conversions Part 1

Format	Color
Hex	465D7A
RGB	70, 93, 122
RGB Percent	27%, 36%, 48%
CMY	0.7255, 0.6353, 0.5216
CMYK	0.43, 0.24, 0.00, 0.52
HSL	213°, 27%, 38%
HSV	213°, 43%, 48%
XYZ	9.9530, 10.5359, 19.9214
YIQ	89.4290, -23.0170, 4.1430

Conversions

Conversions Part 2

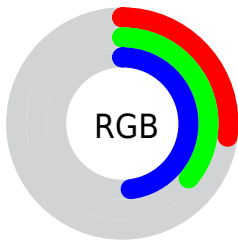
Format	Color
R_{YB}	70, 86, 122
Decimal	4611450
CIE Lab	38.79, -0.48, -19.08
CIE LCh	39, 19.085, 268.556
Yxy	10.5359, 0.2463, 0.2607
Android (android.graphics.Color)	4282801530 (0xFF465D7A)
YUV	89.4290, 16.0575, -17.0392
Hunter-Lab	32.4591, -2.0694, -13.6673

Details

The XYZ color **9.9530, 10.5359, 19.9214** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **13.5937, 13.5039, 7.6849**, and the grayscale version is **9.5600, 10.0579, 10.9531**.

A 20% lighter version of the original color is **25.4455, 26.8050, 44.3902**, and **2.5284, 2.6735, 6.6861** is the 20% darker color. If you saturate the color by 10%, you get **8.5899, 8.9859, 19.6943**, and if you desaturate by 10%, it is **11.5488, 12.2852, 20.1751**.

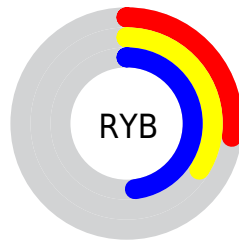
Distribution



Red (27%)

Green (36%)

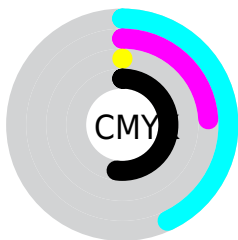
Blue (48%)



Red (27%)

Yellow (34%)

Blue (48%)

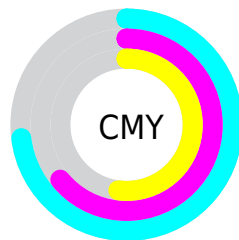


Cyan (43%)

Magenta (24%)

Yellow (0%)

Black (52%)



Cyan (73%)

Magenta (64%)

Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 9.9530, 10.5359, 19.9214 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 9.9530, 10.5359, 19.9214 by changing the saturation by 10% instead.

■ 9.9530, 10.5359,
19.9214

■ 9.9530, 10.5359,
19.9214

■ 184.3969,
194.4553, 264.0794

■ 5.4298, 5.7557,
12.1544

■ 25.3575, 26.7987,
44.1426

■ 2.5389, 2.6971,
6.7251

■ 36.9696, 39.0501,
61.4339

■ 0.9149, 0.9757,
3.2150

■ 51.6754, 54.5607,
82.7370

■ 0.0000, 0.0000,
1.2054

■ 69.8402, 73.7149,
108.4706

■ 0.0000, 0.0000,
0.0000

■ 91.8294, 96.8970,
139.0530

118.0084,

124.4915, 174.9030

148.7424,
156.8828, 216.4389

■ 9.9530, 10.5359,
19.9214

■ 9.9530, 10.5359,
19.9214

■ 8.5899, 8.9859,
19.6943

■ 11.5488, 12.2852,
20.1751

■ 7.4462, 7.6257,
19.4920

■ 13.3875, 14.2403,
20.4556

■ 6.5087, 6.4465,
19.3138

■ 15.4800, 16.4091,
20.7639

■ 5.7622, 5.4382,
19.1585

■ 17.8363, 18.7984,
21.1009

■ 5.1886, 4.5893,
19.0249

■ 20.4656, 21.4149,
21.4674

■ 4.8302, 4.0398,
18.9377

■ 23.3767, 24.2649,
21.8640

■ 26.5783, 27.3543,
22.2916

■ 30.0782, 30.6889,
22.7508

■ 33.8843, 34.2744,
23.2423

Harmonies

Analogous

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



8.8002, 10.5359, 18.4853



9.9530, 10.5359, 19.9214



11.2200, 10.5359, 18.7272

Triad

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



9.9530, 10.5359, 19.9214



12.3016, 10.5359, 8.4587



8.0822, 10.5359, 8.2134

Complementary

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



9.9530, 10.5359, 19.9214



13.5937, 13.5039, 7.6849

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.



8.8977, 10.5359, 6.3841



9.9530, 10.5359, 19.9214



11.3348, 10.5359, 6.5034

Square

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



9.9530, 10.5359, 19.9214



12.6426, 10.5359, 11.6479



10.0754, 10.5359, 5.8301



7.7777, 10.5359, 11.2975

Rectangle

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



9.9530, 10.5359, 19.9214



11.9465, 10.5359, 16.7170



10.0754, 10.5359, 5.8301



8.3021, 10.5359, 7.4575

Sweetspot

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



9.9534, 10.5363, 19.9216



26.9641, 28.5917, 36.4905



11.7187, 16.1147, 14.1976



6.0042, 6.3717, 8.3201



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.



9.9534, 10.5363, 19.9216



15.1986, 15.9092, 34.6626



8.4209, 7.1868, 19.3559



3.9300, 4.1582, 5.0387



5.0773, 4.2370, 19.9355



23.3987, 18.5700, 94.8209

Inverse Universe

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



12.1923, 9.3086, 11.5104



19.7951, 13.8481, 17.2914



15.7280, 18.3118, 8.5004



4.0651, 4.0418, 4.5405



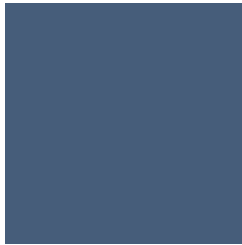
9.1461, 4.6346, 4.0604



43.2137, 21.9418, 17.1873

Previews

White Background



This preview shows how the XYZ color 9.9530, 10.5359, 19.9214 looks on a white background.

Color Contrast Check

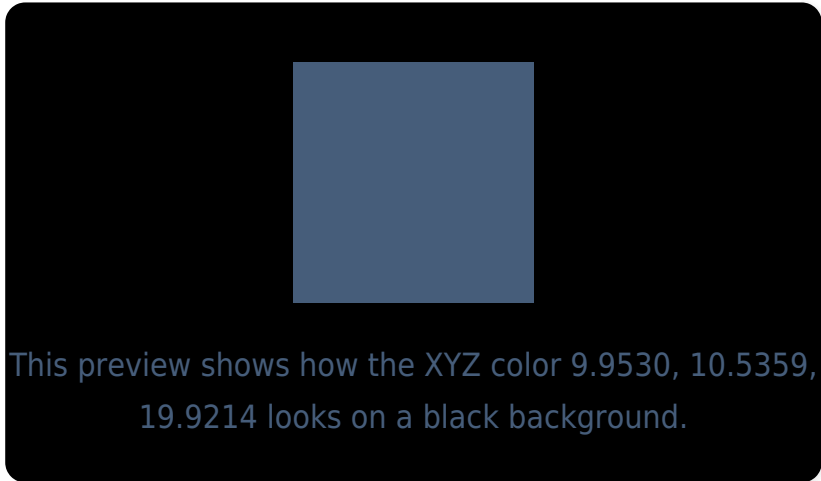
Large Text (above 18pt) WCAG AA ✓ Pass

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

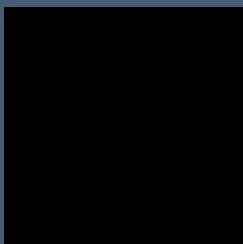
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

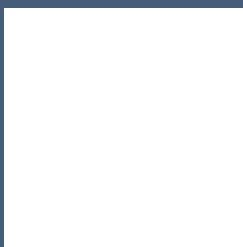
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 9.9530, 10.5359, 19.9214

Background



This preview shows how black text looks on a background with the XYZ color 9.9530, 10.5359, 19.9214.

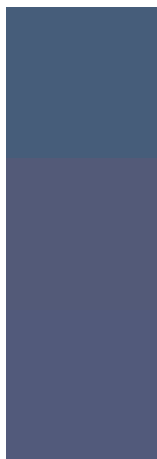


This preview shows how white text looks on a background with the XYZ color 9.9530, 10.5359,

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

9.9530, 10.5359, 19.9214

Protanopia

10.6136, 10.5074, 19.2380

Deuteranopia

10.7110, 10.5362, 20.2081



Tritanopia

8.8615, 10.4890, 14.6542

Trichromacy



Original Color

9.9530, 10.5359, 19.9214

Protanomaly

10.3342, 10.4823, 19.5678

Deuteranomaly

10.4581, 10.5319, 20.2206

Tritanomaly

9.2762, 10.5254, 16.5816

Monochromacy



Original Color

9.9530, 10.5359, 19.9214

Achromatopsia

9.4954, 9.9899, 10.8790

Achromatomaly

9.4848, 10.0458, 13.7510

CSS Examples

Text

The CSS property to change the color of the text to XYZ 9.9530, 10.5359, 19.9214 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(70, 93, 122)` looks like.

```
.text, #text, p{  
    color:rgb(70, 93, 122)  
}
```

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(70, 93, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(70, 93, 122) }
```

Border

The CSS property to change the border of an element to XYZ 9.9530, 10.5359, 19.9214 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(70, 93, 122) }
```


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

```
.border{ border-color:rgb(70, 93, 122) }
```

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

Here you see how a box with a 4 pixel `rgb(70, 93, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(70, 93, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(70, 93, 122);  
box-shadow:4px 4px 4px 4px rgb(70, 93,  
122) }
```

Background

The CSS property to change the background color of an element to XYZ 9.9530, 10.5359, 19.9214 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(70, 93, 122) }
```

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

```
.background{ background-color: rgb(70, 93,  
122) }
```

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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