

Converting Colors

XYZ(9.7366, 10.8623, 21.8337)

Have a look what the booklet for
XYZ(9.7366, 10.8623, 21.8337)
contains.

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Color

**XYZ(9.8019, 10.9487,
22.0188)**

Conversions

Conversions Part 1

Format	Color
Hex	386180
RGB	56, 97, 128
RGB Percent	22%, 38%, 50%
CMY	0.7804, 0.6196, 0.4980
CMYK	0.56, 0.24, 0.00, 0.50
HSL	206°, 39%, 36%
HSV	206°, 56%, 50%
XYZ	9.8019, 10.9487, 22.0188
YIQ	88.2750, -34.3870, 0.9490

Conversions

Conversions Part 2

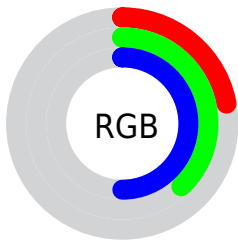
Format	Color
R_{YB}	56, 82, 128
Decimal	3694976
CIE _{Lab}	39.49, -4.72, -21.71
CIE _{LCh}	39, 22.222, 257.725
Yxy	10.9487, 0.2292, 0.2560
Android (android.graphics.Color)	4281885056 (0xFF386180)
YUV	88.2750, 19.5844, -28.3052
Hunter-Lab	33.0888, -5.0284, -16.2921




Details

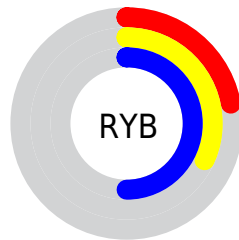
The XYZ color **9.8019, 10.9487, 22.0188** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **13.0245, 11.6916, 5.3121**, and the grayscale version is **9.3002, 9.7845, 10.6553**.




A 20% lighter version of the original color is **24.9586, 27.3918, 47.6877**, and **2.5951, 2.9322, 7.8263** is the 20% darker color. If you saturate the color by 10%, you get **8.6843, 9.6429, 21.8259**, and if you desaturate by 10%, it is **11.1386, 12.4205, 22.2326**.

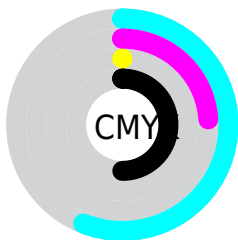
Distribution







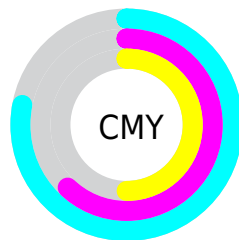
-  Red (22%)
-  Green (38%)
-  Blue (50%)






-  Red (22%)
-  Yellow (32%)
-  Blue (50%)



-  Cyan (56%)
-  Magenta (24%)
-  Yellow (0%)
-  Black (50%)



-  Cyan (78%)
-  Magenta (62%)
-  Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 9.8019, 10.9487, 22.0188 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 9.8019, 10.9487, 22.0188 by changing the saturation by 10% instead.

■ 9.8019, 10.9487,
22.0188

■ 9.8019, 10.9487,
22.0188

■ 183.3356,
197.3153, 275.6011

■ 5.3291, 6.0323,
13.6723

■ 25.0753, 27.5653,
47.6797

■ 2.4783, 2.8648,
7.7569

■ 36.6066, 40.0343,
65.8311

■ 0.8843, 1.0615,
3.8543

■ 51.2214, 55.7896,
88.0878

■ 0.0000, 0.0000,
1.5457

■ 69.2850, 75.2157,
114.8685

■ 0.0000, 0.0000,
0.2517

■ 91.1629, 98.6969,
146.5916

■ 0.0000, 0.0000,
0.0000

■ 117.2204,

126.6176, 183.6758

147.8229,
159.3623, 226.5394

■ 9.8019, 10.9487,
22.0188

■ 9.8019, 10.9487,
22.0188

■ 8.6843, 9.6429,
21.8259

■ 11.1386, 12.4205,
22.2326

■ 7.7697, 8.4929,
21.6521

■ 12.7068, 14.0649,
22.4674

■ 7.0415, 7.4895,
21.4968

■ 14.5190, 15.8897,
22.7241

■ 6.4696, 6.6158,
21.3583

■ 16.5866, 17.9017,
23.0035

■ 6.2716, 6.3090,
21.3095

■ 18.9204, 20.1074,
23.3062

■ 21.5301, 22.5127,
23.6329

■ 24.4253, 25.1236,
23.9843

■ 27.6149, 27.9454,
24.3608

■ 31.1074, 30.9834,
24.7632

Harmonies

Analogous

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



8.5748, 10.9487, 19.1839



9.8019, 10.9487, 22.0188



11.3146, 10.9487, 21.7125

Triad

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



9.8019, 10.9487, 22.0188



13.4207, 10.9487, 9.5671



8.4046, 10.9487, 7.1613

Complementary

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



9.8019, 10.9487, 22.0188



13.0245, 11.6916, 5.3121

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.



9.5482, 10.9487, 5.6306



9.8019, 10.9487, 22.0188



12.4819, 10.9487, 6.7710

Square

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



9.8019, 10.9487, 22.0188



13.5054, 10.9487, 13.7758



11.0353, 10.9487, 5.5076



7.8219, 10.9487, 10.2411

Rectangle

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



9.8019, 10.9487, 22.0188



12.2838, 10.9487, 19.7719



11.0353, 10.9487, 5.5076



8.7308, 10.9487, 6.4844

Sweetspot

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



9.8023, 10.9491, 22.0191



28.7633, 31.0962, 40.4424



11.0302, 16.9513, 11.4952



6.5900, 7.1414, 9.4494



62.3462, 65.5931, 71.4309



8.4577, 8.8982, 9.6901

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



9.8023, 10.9491, 22.0191



14.8899, 16.4894, 38.3543



7.2502, 5.8450, 21.1684



4.2961, 4.5863, 5.4721



6.2200, 6.2586, 21.1301



0.0000, 0.0000, 0.0000

Inverse Universe

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



12.4743, 8.2811, 12.2506



20.2916, 12.0902, 18.3836



16.5757, 18.7941, 6.4958



4.4223, 4.3821, 5.0284



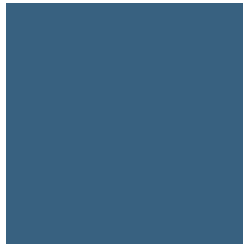
10.0166, 5.0263, 6.6769



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 9.8019, 10.9487, 22.0188 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



This preview shows how the XYZ color 9.8019, 10.9487, 22.0188 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

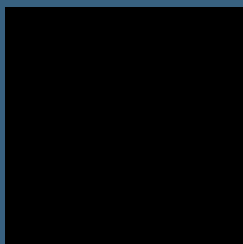
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

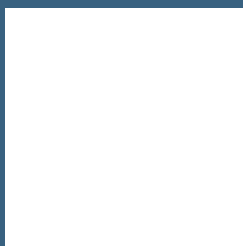
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 9.8019, 10.9487, 22.0188

Background



This preview shows how black text looks on a background with the XYZ color 9.8019, 10.9487, 22.0188.

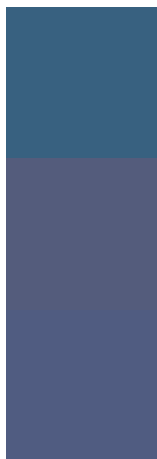


This preview shows how white text looks on a background with the XYZ color 9.8019, 10.9487,

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

9.8019, 10.9487, 22.0188

Protanopia

11.1214, 10.9943, 20.6047

Deuteranopia

11.0979, 10.9447, 22.2965



Tritanopia

8.6329, 11.0399, 16.1439

Trichromacy



Original Color

9.8019, 10.9487, 22.0188

Protanomaly

10.5284, 10.9419, 20.9591

Deuteranomaly

10.5637, 10.9300, 22.3218

Tritanomaly

9.0748, 11.0791, 18.1832

Monochromacy



Original Color

9.8019, 10.9487, 22.0188

Achromatopsia

9.2757, 9.7587, 10.6273

Achromatomaly

9.1698, 9.9979, 14.2785

CSS Examples

Text

The CSS property to change the color of the text to XYZ 9.8019, 10.9487, 22.0188 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(56, 97, 128) looks like.

```
.text, #text, p{  
    color:rgb(56, 97, 128)  
}
```

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(56, 97, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(56, 97, 128) }
```

Border

The CSS property to change the border of an element to XYZ 9.8019, 10.9487, 22.0188 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(56, 97, 128) }
```


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

```
.border{ border-color:rgb(56, 97, 128) }
```

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

Here you see how a box with a 4 pixel rgb(56, 97, 128) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(56, 97, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(56, 97, 128);  
box-shadow:4px 4px 4px 4px rgb(56, 97,  
128) }
```

Background

The CSS property to change the background color of an element to XYZ 9.8019, 10.9487, 22.0188 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(56, 97, 128) }
```

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

```
.background{ background-color: rgb(56, 97,  
128) }
```

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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