

Converting Colors

XYZ(21.0001, 22.5550, 34.3838)

Have a look what the booklet for
XYZ(21.0001, 22.5550, 34.3838)
contains.

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Color

**XYZ(20.9860, 22.5864,
34.2639)**

Conversions

Conversions Part 1

Format	Color
Hex	70859B
RGB	112, 133, 155
RGB Percent	44%, 52%, 61%
CMY	0.5608, 0.4784, 0.3922
CMYK	0.28, 0.14, 0.00, 0.39
HSL	211°, 18%, 52%
HSV	211°, 28%, 61%
XYZ	20.9860, 22.5864, 34.2639
YIQ	129.2290, -19.5780, 2.3900

Conversions

Conversions Part 2

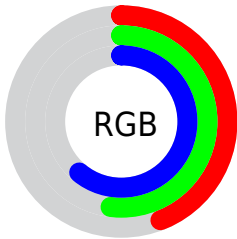
Format	Color
R _Y B	112, 126, 155
Decimal	7374235
CIE Lab	54.64, -2.29, -14.24
CIE LCh	55, 14.421, 260.844
Yxy	22.5864, 0.2696, 0.2902
Android (android.graphics.Color)	4285564315 (0xFF70859B)
YUV	129.2290, 12.7051, -15.1098
Hunter-Lab	47.5252, -4.3476, -9.4783

Details

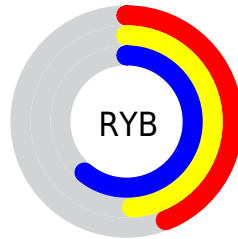
The XYZ color **20.9860, 22.5864, 34.2639** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **24.9675, 25.1886, 18.8757**, and the grayscale version is **20.9088, 21.9977, 23.9555**.

A 20% lighter version of the original color is **44.5846, 47.7206, 67.1827**, and **7.7189, 8.3969, 14.3106** is the 20% darker color. If you saturate the color by 10%, you get **18.1362, 19.5665, 33.8316**, and if you desaturate by 10%, it is **24.2587, 25.9471, 34.7405**.

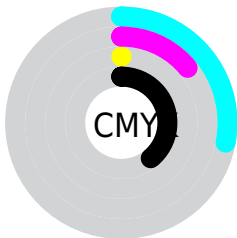
Distribution



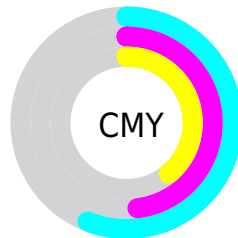
- Red (44%)
- Green (52%)
- Blue (61%)



- Red (44%)
- Yellow (49%)
- Blue (61%)



- Cyan (28%)
- Magenta (14%)
- Yellow (0%)
- Black (39%)



- Cyan (56%)
- Magenta (48%)
- Yellow (39%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.9860, 22.5864, 34.2639 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 20.9860, 22.5864, 34.2639 by changing the saturation by 10% instead.

■ 20.9860, 22.5864,
34.2639

■ 20.9860, 22.5864,
34.2639

249.9372,
265.5935, 336.1122

■ 13.2262, 14.2884,
22.8174

■ 44.5557, 47.7133,
67.4824

■ 7.6625, 8.3215,
14.2547

■ 61.0963, 65.3110,
90.0915

■ 3.9298, 4.3014,
8.1573

■ 81.2944, 86.7774,
117.2586

■ 1.6625, 1.8435,
4.1065

■ 105.5156,
112.4969, 149.4022

■ 0.4326, 0.5141,
1.6840

134.1251,
142.8538, 186.9408

■ 0.0000, 0.0000,
0.3497

167.4883,

■ 0.0000, 0.0000,

178.2326, 230.2929

0.0000

205.9706,
219.0177, 279.8772

■ 20.9860, 22.5864,
34.2639

■ 20.9860, 22.5864,
34.2639

■ 18.1362, 19.5665,
33.8316

■ 24.2587, 25.9471,
34.7405

■ 15.6880, 16.8720,
33.4405

■ 27.9701, 29.6577,
35.2611

■ 13.6213, 14.4906,
33.0898

■ 32.1378, 33.7303,
35.8275

■ 11.9133, 12.4074,
32.7777

■ 36.7775, 38.1754,
36.4410

■ 10.5383, 10.6063,
32.5025

■ 41.9043, 43.0033,
37.1026

■ 9.4671, 9.0691,
32.2623

■ 47.5327, 48.2236,
37.8136

■ 8.6490, 7.7665,
32.0540

■ 53.6764, 53.8458,
38.5750

■ 8.4806, 7.4948,
32.0104

■ 60.3487, 59.8787,
39.3878

■ 67.5623, 66.3311,
40.2530

Harmonies

Analogous

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



19.5988, 22.5864, 32.0071



20.9860, 22.5864, 34.2639



22.5714, 22.5864, 33.6928

Triad

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



20.9860, 22.5864, 34.2639



24.4462, 22.5864, 21.6137



19.1884, 22.5864, 19.4791

Complementary

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



20.9860, 22.5864, 34.2639



24.9675, 25.1886, 18.8757

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.



20.4006, 22.5864, 17.2992



20.9860, 22.5864, 34.2639



23.4518, 22.5864, 18.4221

Square

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



20.9860, 22.5864, 34.2639



24.6219, 22.5864, 26.0091



21.9567, 22.5864, 16.9377



18.5951, 22.5864, 23.2288

Rectangle

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



20.9860, 22.5864, 34.2639



23.5249, 22.5864, 31.8104



21.9567, 22.5864, 16.9377



19.5341, 22.5864, 18.5589

Sweetspot

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



20.9867, 22.5873, 34.2644



49.7993, 52.8249, 63.1078



22.6722, 28.5952, 26.6968



11.0465, 11.7334, 14.2529



74.8435, 78.7412, 85.7492



12.6291, 13.2868, 14.4694

Same Dimension

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



20.9867, 22.5873, 34.2644



34.4823, 37.1858, 60.8965



18.3931, 17.4001, 33.3999



6.1210, 6.4994, 7.8609



6.8496, 6.0958, 25.7233



0.1386, 0.1636, 0.3966

Inverse Universe

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



23.5459, 20.2509, 24.8592



39.8844, 32.6063, 40.9645



28.1640, 31.5815, 19.9412



6.3282, 6.2704, 7.1084



11.9161, 6.0207, 6.0832



0.1964, 0.0973, 0.1873

Previews

White Background



This preview shows how the XYZ color 20.9860, 22.5864, 34.2639 looks on a white 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

Black Background



This preview shows how the XYZ color 20.9860, 22.5864, 34.2639 looks on a black 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

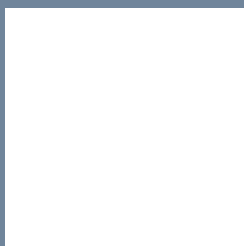
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 20.9860, 22.5864, 34.2639

Background



This preview shows how black text looks on a background with the XYZ color 20.9860, 22.5864, 34.2639.

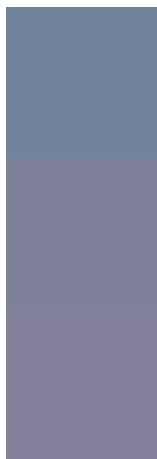


This preview shows how white text looks on a background with the XYZ color 20.9860, 22.5864,

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

20.9860, 22.5864, 34.2639

Protanopia

22.2042, 22.4360, 33.2973

Deuteranopia

23.0800, 22.6639, 34.6106



Tritanopia

20.2052, 22.6873, 30.1022

Trichromacy



Original Color

20.9860, 22.5864, 34.2639

Protanomaly

21.7005, 22.3633, 33.7447

Deuteranomaly

22.2956, 22.6506, 34.6494

Tritanomaly

20.5055, 22.5996, 31.7152

Monochromacy



Original Color

20.9860, 22.5864, 34.2639

Achromatopsia

20.8660, 21.9526, 23.9064

Achromatomaly

20.7385, 22.0112, 27.2003

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.9860, 22.5864, 34.2639 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(112, 133, 155)` looks like.

```
.text, #text, p{  
    color:rgb(112, 133, 155)  
}
```

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(112, 133, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 133, 155) }
```

Border

The CSS property to change the border of an element to XYZ 20.9860, 22.5864, 34.2639 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(112, 133, 155) }
```


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

```
.border{ border-color:rgb(112, 133, 155) }
```

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

Here you see how a box with a 4 pixel `rgb(112, 133, 155)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 133, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 133, 155);  
box-shadow:4px 4px 4px 4px rgb(112, 133,  
155) }
```

Background

The CSS property to change the background color of an element to XYZ 20.9860, 22.5864, 34.2639 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 133, 155) }
```

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

```
.background{ background-color: rgb(112,  
133, 155) }
```

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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