

Converting Colors

XYZ(21.8602, 20.9753, 39.8403)

Have a look what the booklet for
XYZ(21.8602, 20.9753, 39.8403)
contains.

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Color

**XYZ(21.8966, 20.9861,
39.9424)**

Conversions

Conversions Part 1

Format	Color
Hex	787BA8
RGB	120, 123, 168
RGB Percent	47%, 48%, 66%
CMY	0.5294, 0.5176, 0.3412
CMYK	0.29, 0.27, 0.00, 0.34
HSL	236°, 22%, 56%
HSV	236°, 29%, 66%
XYZ	21.8966, 20.9861, 39.9424
YIQ	127.2330, -16.2330, 13.3590

Conversions

Conversions Part 2

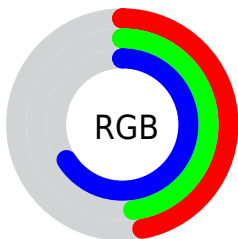
Format	Color
R _Y B	120, 123, 168
Decimal	7895976
CIE Lab	52.93, 9.38, -24.32
CIE LCh	53, 26.066, 291.098
Yxy	20.9861, 0.2644, 0.2534
Android (android.graphics.Color)	4286086056 (0xFF787BA8)
YUV	127.2330, 20.0981, -6.3433
Hunter-Lab	45.8106, 5.1511, -19.6277

Details

The XYZ color **21.8966, 20.9861, 39.9424** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **32.9943, 36.5917, 23.0941**, and the grayscale version is **20.1905, 21.2420, 23.1325**.

A 20% lighter version of the original color is **45.8828, 44.8719, 76.0549**, and **8.1270, 7.4606, 17.5347** is the 20% darker color. If you saturate the color by 10%, you get **17.9688, 16.2908, 39.2435**, and if you desaturate by 10%, it is **26.5490, 26.5225, 40.7662**.

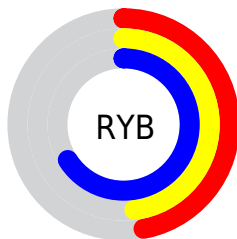
Distribution



Red (47%)

Green (48%)

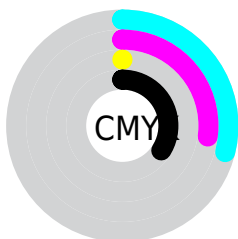
Blue (66%)



Red (47%)

Yellow (48%)

Blue (66%)

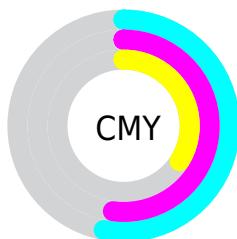


Cyan (29%)

Magenta (27%)

Yellow (0%)

Black (34%)



Cyan (53%)

Magenta (52%)

Yellow (34%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.8966, 20.9861, 39.9424 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 21.8966, 20.9861, 39.9424 by changing the saturation by 10% instead.

■ 21.8966, 20.9861,
39.9424

■ 21.8966, 20.9861,
39.9424

254.6483,
257.2046, 361.4256

■ 13.8971, 13.1138,
27.1802

■ 46.0552, 45.0644,
76.3119

■ 8.1304, 7.5070,
17.4750

■ 62.9450, 62.0392,
100.7563

■ 4.2310, 3.7811,
10.4082

■ 83.5289, 82.8170,
129.9319

■ 1.8336, 1.5519,
5.5613

108.1724,
107.7822, 164.2571

■ 0.5378, 0.3248,
2.5158

137.2407,
137.3192, 204.1505

■ 0.0000, 0.0000,
0.8485

171.0992,

■ 0.0000, 0.0000,

171.8123, 250.0307

0.0000

210.1133,
211.6460, 302.3163

■ 21.8966, 20.9861,
39.9424

■ 21.8966, 20.9861,
39.9424

■ 17.9688, 16.2908,
39.2435

■ 26.5490, 26.5225,
40.7662

■ 14.7270, 12.3931,
38.6620

■ 31.9576, 32.9358,
41.7190

■ 12.1325, 9.2493,
38.1919

■ 38.1549, 40.2626,
42.8066

■ 10.1417, 6.8106,
37.8262

■ 45.1707, 48.5367,
44.0339

■ 8.7057, 5.0224,
37.5567

■ 53.0333, 57.7903,
45.4056

■ 7.7677, 3.8221,
37.3745

■ 61.7697, 68.0541,
46.9263

■ 7.2388, 3.1242,
37.2676

■ 71.4055, 79.3572,
48.6001

■ 7.1819, 3.0552,
37.2573

■ 81.9656, 91.7279,
50.4313

■ 84.0679, 95.6072,
51.0693

Harmonies

Analogous

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



19.1453, 20.9861, 41.1541



21.8966, 20.9861, 39.9424



24.3172, 20.9861, 33.6516

Triad

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



21.8966, 20.9861, 39.9424



23.4282, 20.9861, 13.0336



15.1969, 20.9861, 20.6019

Complementary

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



21.8966, 20.9861, 39.9424



32.9943, 36.5917, 23.0941

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.



16.1339, 20.9861, 14.6496



21.8966, 20.9861, 39.9424



20.7701, 20.9861, 10.9830

Square

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



21.8966, 20.9861, 39.9424



25.2560, 20.9861, 17.8545



18.1161, 20.9861, 11.4981



15.4390, 20.9861, 28.7006

Rectangle

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



21.8966, 20.9861, 39.9424



25.3367, 20.9861, 28.0748



18.1161, 20.9861, 11.4981



15.3810, 20.9861, 18.3178

Sweetspot

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



21.8973, 20.9869, 39.9429



57.3678, 59.0280, 75.5950



28.5223, 34.7081, 40.6984



12.1879, 12.4916, 16.4209



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

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



21.8973, 20.9869, 39.9429



35.2671, 32.7472, 71.6871



24.7356, 21.9062, 39.9707



7.1680, 7.3730, 9.4637



5.4377, 2.3356, 28.1397



0.1437, 0.0796, 0.6884

Inverse Universe

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



26.4407, 23.1886, 21.8219



44.8458, 37.4601, 33.4674



29.4619, 35.5833, 23.0856



7.5494, 7.5496, 7.9445



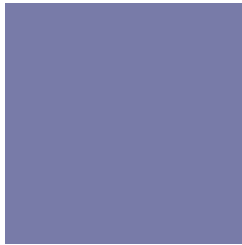
12.2453, 6.3068, 0.8374



0.3037, 0.1557, 0.0507

Previews

White Background



This preview shows how the XYZ color 21.8966, 20.9861, 39.9424 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 21.8966, 20.9861, 39.9424 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

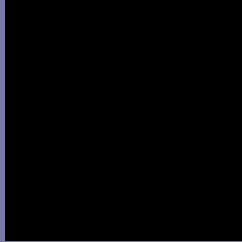
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 21.8966, 20.9861, 39.9424

Background



This preview shows how black text looks on a background with the XYZ color 21.8966, 20.9861, 39.9424.



This preview shows how white text looks on a background with the XYZ color 21.8966, 20.9861,

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

21.8966, 20.9861, 39.9424

Protanopia

21.4345, 21.1092, 40.4809

Deuteranopia

21.4780, 20.9555, 39.9586



Tritanopia

19.3188, 20.8798, 27.4381

Trichromacy



Original Color

21.8966, 20.9861, 39.9424

Protanomaly

21.5715, 20.9929, 40.4512

Deuteranomaly

21.6117, 21.0244, 39.9648

Tritanomaly

20.1683, 20.8367, 31.8131

Monochromacy



Original Color

21.8966, 20.9861, 39.9424

Achromatopsia

20.1725, 21.2231, 23.1119

Achromatomaly

20.6555, 21.1598, 28.5868

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.8966, 20.9861, 39.9424 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(120, 123, 168)` looks like.

```
.text, #text, p{  
    color:rgb(120, 123, 168)  
}
```

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(120, 123, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 123, 168) }
```

Border

The CSS property to change the border of an element to XYZ 21.8966, 20.9861, 39.9424 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(120, 123, 168) }
```


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

```
.border{ border-color:rgb(120, 123, 168) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 123, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 123, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 123, 168);  
box-shadow:4px 4px 4px 4px rgb(120, 123,  
168) }
```

Background

The CSS property to change the background color of an element to XYZ 21.8966, 20.9861, 39.9424 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 123, 168) }
```

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

```
.background{ background-color: rgb(120,  
123, 168) }
```

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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