

Converting Colors

XYZ(22.1221, 19.0134, 74.8092)

Have a look what the booklet for
XYZ(22.1221, 19.0134, 74.8092)
contains.

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Color

**XYZ(22.0872, 19.0718,
74.4686)**

Conversions

Conversions Part 1

Format	Color
Hex	4074E2
RGB	64, 116, 226
RGB Percent	25%, 45%, 89%
CMY	0.7490, 0.5451, 0.1137
CMYK	0.72, 0.49, 0.00, 0.11
HSL	221°, 74%, 57%
HSV	221°, 72%, 89%
XYZ	22.0872, 19.0718, 74.4686
YIQ	112.9920, -66.3020, 23.1860

Conversions

Conversions Part 2

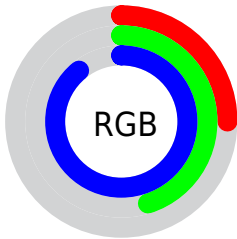
Format	Color
R _Y B	64, 103, 226
Decimal	4224226
CIE Lab	50.77, 19.59, -61.09
CIE LCh	51, 64.154, 287.783
Yxy	19.0718, 0.1910, 0.1649
Android (android.graphics.Color)	4282414306 (0xFF4074E2)
YUV	112.9920, 55.7129, -42.9660
Hunter-Lab	43.6713, 13.8535, -70.5319

Details

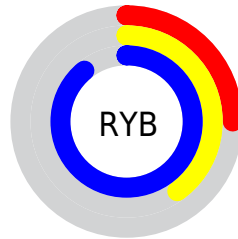
The XYZ color **22.0872, 19.0718, 74.4686** is a dark color, and the websafe version is hex **3366CC**. The color can be described as middle muted azure. A complement of this color would be **47.4279, 46.8151, 11.3885**, and the grayscale version is **15.5490, 16.3588, 17.8147**.

A 20% lighter version of the original color is **41.0746, 39.6033, 100.0871**, and **9.3838, 7.1585, 38.9174** is the 20% darker color. If you saturate the color by 10%, you get **19.2786, 15.2113, 73.8719**, and if you desaturate by 10%, it is **25.7848, 23.8247, 75.1916**.

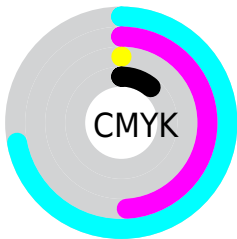
Distribution



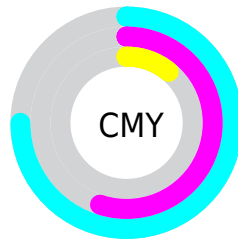
- Red (25%)
- Green (45%)
- Blue (89%)



- Red (25%)
- Yellow (40%)
- Blue (89%)



- Cyan (72%)
- Magenta (49%)
- Yellow (0%)
- Black (11%)



- Cyan (75%)
- Magenta (55%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.0872, 19.0718, 74.4686 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 22.0872, 19.0718, 74.4686 by changing the saturation by 10% instead.

■ 22.0872, 19.0718,
74.4686

■ 22.0872, 19.0718,
74.4686

255.6251,
246.8449, 495.2957

■ 14.0379, 11.7222,
54.6786

■ 46.3679, 41.8554,
127.3000

■ 8.2289, 6.5548,
38.7476

■ 63.3300, 58.0581,
161.1785

■ 4.2948, 3.1853,
26.2571

■ 83.9938, 77.9807,
200.5902

■ 1.8702, 1.2292,
16.7886

■ 108.7246,
102.0075, 245.9536

■ 0.5595, 0.0854,
9.9235

137.8877,
130.5229, 297.6873

■ 0.0000, 0.0000,
5.2433

171.8487,

■ 0.0000, 0.0000,

163.9114, 356.2099

2.3295

210.9727,
202.5572, 421.9398

■ 0.0000, 0.0000,
0.7477

■ 0.0000, 0.0000,
0.0000

■ 22.0872, 19.0718,
74.4686

■ 22.0872, 19.0718,
74.4686

■ 19.2786, 15.2113,
73.8719

■ 25.7848, 23.8247,
75.1916

■ 17.2652, 12.1731,
73.3916

■ 30.4464, 29.5280,
76.0467

■ 16.0796, 10.1952,
73.0723

■ 36.1412, 36.2363,
77.0414

■ 42.9310, 43.9989,
78.1819

■ 50.8726, 52.8617,
79.4740

■ 60.0186, 62.8678,
80.9233

■ 70.4183, 74.0578,
82.5351

■ 82.1180, 86.4700,
84.3143

■ 90.4475, 97.7110,
86.0450

Harmonies

Analogous

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



15.6811, 19.0718, 76.5317



22.0872, 19.0718, 74.4686



28.6685, 19.0718, 53.9187

Triad

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



22.0872, 19.0718, 74.4686



27.5534, 19.0718, 4.2062



8.6733, 19.0718, 14.2517

Complementary

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



22.0872, 19.0718, 74.4686



47.4279, 46.8151, 11.3885

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.



10.5500, 19.0718, 5.0832



22.0872, 19.0718, 74.4686



20.8153, 19.0718, 1.9606

Square

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



22.0872, 19.0718, 74.4686



32.2934, 19.0718, 11.8652



14.6712, 19.0718, 2.1472



8.8610, 19.0718, 33.2759

Rectangle

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



22.0872, 19.0718, 74.4686



31.8244, 19.0718, 36.8530



14.6712, 19.0718, 2.1472



9.0616, 19.0718, 10.2108

Sweetspot

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



22.0881, 19.0724, 74.4691



66.3651, 68.9253, 104.4138



36.7583, 58.4621, 48.3786



13.5660, 14.0446, 22.2458



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



22.0881, 19.0724, 74.4691



23.9298, 17.9151, 96.8045



19.8768, 11.3836, 73.1016



13.3094, 13.9579, 17.3803



9.2686, 6.0068, 41.7193



0.7215, 0.5745, 2.9181

Inverse Universe

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



36.3506, 21.0978, 18.6797



44.4677, 23.5460, 15.8598



51.6760, 66.9057, 15.0425



13.8876, 13.7727, 15.1784



18.6186, 9.5144, 4.6572



1.3305, 0.6755, 0.5330

Previews

White Background



This preview shows how the XYZ color 22.0872, 19.0718, 74.4686 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 22.0872, 19.0718, 74.4686 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

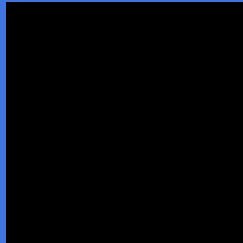
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

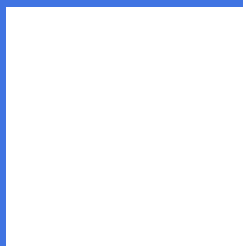
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 22.0872, 19.0718, 74.4686

Background



This preview shows how black text looks on a background with the XYZ color 22.0872, 19.0718, 74.4686.



This preview shows how white text looks on a background with the XYZ color 22.0872, 19.0718,

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

22.0872, 19.0718, 74.4686

Protanopia

21.8363, 18.9424, 74.4569

Deuteranopia

19.3487, 19.0722, 66.9515



Tritanopia

13.4216, 18.7887, 29.3047

Trichromacy



Original Color

22.0872, 19.0718, 74.4686

Protanomaly

21.8973, 18.9739, 74.4597

Deuteranomaly

19.8560, 18.7296, 69.5865

Tritanomaly

15.5827, 18.4169, 42.7779

Monochromacy



Original Color

22.0872, 19.0718, 74.4686

Achromatopsia

15.6958, 16.5132, 17.9829

Achromatomaly

16.5694, 16.8006, 32.9414

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.0872, 19.0718, 74.4686 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(64, 116, 226)` looks like.

```
.text, #text, p{  
    color:rgb(64, 116, 226)  
}
```

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(64, 116, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(64, 116, 226) }
```

Border

The CSS property to change the border of an element to XYZ 22.0872, 19.0718, 74.4686 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(64, 116, 226) }
```


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

```
.border{ border-color:rgb(64, 116, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(64, 116, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(64, 116, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(64, 116, 226);  
box-shadow:4px 4px 4px 4px rgb(64, 116,  
226) }
```

Background

The CSS property to change the background color of an element to XYZ 22.0872, 19.0718, 74.4686 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(64, 116, 226) }
```

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

```
.background{ background-color: rgb(64, 116,  
226) }
```

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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