

Converting Colors

XYZ(22.2465, 19.7537, 71.0469)

Have a look what the booklet for
XYZ(22.2465, 19.7537, 71.0469)
contains.

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Color

**XYZ(22.2465, 19.7537,
71.0469)**

Conversions

Conversions Part 1

Format	Color
Hex	4777DD
RGB	71, 119, 221
RGB Percent	28%, 47%, 87%
CMY	0.7215, 0.5333, 0.1333
CMYK	0.68, 0.46, 0.00, 0.13
HSL	221°, 69%, 57%
HSV	221°, 68%, 87%
XYZ	22.2465, 19.7537, 71.0469
YIQ	116.2760, -61.3500, 21.5460

Conversions

Conversions Part 2

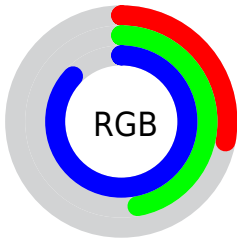
Format	Color
R_{YB}	71, 107, 221
Decimal	4683741
CIE _{Lab}	51.56, 16.94, -56.99
CIE _{LCh}	52, 59.456, 286.555
Yxy	19.7537, 0.1968, 0.1747
Android (android.graphics.Color)	4282873821 (0xFF4777DD)
YUV	116.2760, 51.6289, -39.7071
Hunter-Lab	44.4451, 11.5671, -63.6653

Details

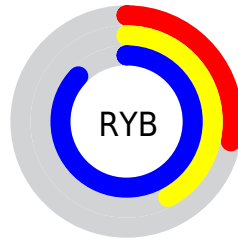
The XYZ color **22.2465, 19.7537, 71.0469** is a dark color, and the websafe version is hex **3366CC**. The color can be described as middle muted azure. A complement of this color would be **45.9019, 45.7178, 12.3679**, and the grayscale version is **16.5462, 17.4079, 18.9572**.

A 20% lighter version of the original color is **42.4444, 41.4142, 100.3644**, and **9.0448, 7.2231, 36.5148** is the 20% darker color. If you saturate the color by 10%, you get **19.2610, 15.7662, 70.4350**, and if you desaturate by 10%, it is **26.1057, 24.6118, 71.7817**.

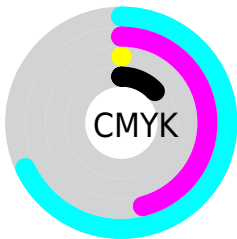
Distribution



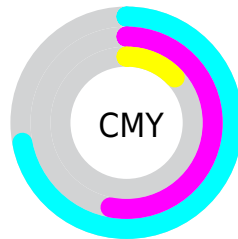
- Red (28%)
- Green (47%)
- Blue (87%)



- Red (28%)
- Yellow (42%)
- Blue (87%)



- Cyan (68%)
- Magenta (46%)
- Yellow (0%)
- Black (13%)



- Cyan (72%)
- Magenta (53%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.2465, 19.7537, 71.0469 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 22.2465, 19.7537, 71.0469 by changing the saturation by 10% instead.

■ 22.2465, 19.7537,
71.0469

■ 22.2465, 19.7537,
71.0469

256.4391,
250.5786, 483.1054

■ 14.1558, 12.2161,
51.8984

■ 46.6289, 43.0039,
122.3956

■ 8.3115, 6.8911,
36.5424

■ 63.6513, 59.4852,
155.4328

■ 4.3484, 3.3941,
24.5604

■ 84.3815, 79.7167,
193.9368

■ 1.9011, 1.3408,
15.5338

■ 109.1851,
104.0826, 238.3259

■ 0.5775, 0.1724,
9.0441

138.4273,
132.9673, 289.0188

■ 0.0000, 0.0000,
4.6728

172.4734,

■ 0.0000, 0.0000,

166.7553, 346.4340

2.0012

211.6889,
205.8310, 410.9900

■ 0.0000, 0.0000,
0.5560

■ 0.0000, 0.0000,
0.0000

■ 22.2465, 19.7537,
71.0469

■ 22.2465, 19.7537,
71.0469

■ 19.2610, 15.7662,
70.4350

■ 26.1057, 24.6118,
71.7817

■ 17.0658, 12.5862,
69.9369

■ 30.9057, 30.3930,
72.6445

■ 15.5532, 10.1370,
69.5439

■ 36.7097, 37.1473,
73.6424

■ 15.2862, 9.6904,
69.4718

■ 43.5741, 44.9202,
74.7809

■ 51.5511, 53.7542,
76.0656

■ 60.6894, 63.6891,
77.5016

■ 71.0345, 74.7628,
79.0938

■ 82.6296, 87.0110,
80.8468

■ 89.8158, 97.5296,
82.4983

Harmonies

Analogous

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



16.2262, 19.7537, 72.0778



22.2465, 19.7537, 71.0469



28.4240, 19.7537, 53.0383

Triad

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



22.2465, 19.7537, 71.0469



27.8462, 19.7537, 5.3627



9.6641, 19.7537, 14.7231

Complementary

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



22.2465, 19.7537, 71.0469



45.9019, 45.7178, 12.3679

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.



11.6021, 19.7537, 5.8791



22.2465, 19.7537, 71.0469



21.5783, 19.7537, 2.7461

Square

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



22.2465, 19.7537, 71.0469



32.0974, 19.7537, 13.4225



15.6854, 19.7537, 2.8651



9.7682, 19.7537, 32.3242

Rectangle

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



22.2465, 19.7537, 71.0469



31.4262, 19.7537, 37.4547



15.6854, 19.7537, 2.8651



10.0773, 19.7537, 10.8851

Sweetspot

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



22.2474, 19.7543, 71.0474



68.6286, 71.4109, 104.7743



35.8068, 55.9936, 47.4504



14.0081, 14.5323, 22.3167



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.



22.2474, 19.7543, 71.0474



25.3685, 20.0158, 97.1341



20.1297, 12.2154, 69.7039



12.6771, 13.2939, 16.5500



8.9708, 5.8110, 40.3872



0.6576, 0.5293, 2.6420

Inverse Universe

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



35.4026, 21.2118, 19.6814



45.3835, 24.6381, 18.4444



49.7597, 63.9043, 15.6749



13.2269, 13.1198, 14.4560



18.0234, 9.2104, 4.5031



1.2062, 0.6121, 0.4949

Previews

White Background



This preview shows how the XYZ color 22.2465, 19.7537, 71.0469 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 22.2465, 19.7537, 71.0469 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

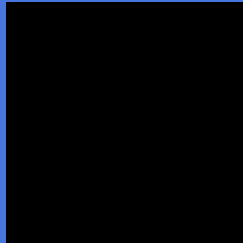
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 22.2465, 19.7537, 71.0469

Background



This preview shows how black text looks on a background with the XYZ color 22.2465, 19.7537, 71.0469.



This preview shows how white text looks on a background with the XYZ color 22.2465, 19.7537,

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

22.2465, 19.7537, 71.0469

Protanopia

22.3205, 19.7918, 71.0504

Deuteranopia

20.3945, 19.7211, 70.4418



Tritanopia

14.0706, 19.7149, 30.6675

Trichromacy



Original Color

22.2465, 19.7537, 71.0469

Protanomaly

22.3205, 19.7918, 71.0504

Deuteranomaly

20.6771, 19.4984, 70.3839

Tritanomaly

16.0486, 19.2409, 42.9124

Monochromacy



Original Color

22.2465, 19.7537, 71.0469

Achromatopsia

16.6002, 17.4647, 19.0191

Achromatomaly

17.4496, 17.7650, 33.0811

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.2465, 19.7537, 71.0469 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(71, 119, 221)` looks like.

```
.text, #text, p{  
    color:rgb(71, 119, 221)  
}
```

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(71, 119, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(71, 119, 221) }
```

Border

The CSS property to change the border of an element to XYZ 22.2465, 19.7537, 71.0469 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(71, 119, 221) }
```


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

```
.border{ border-color:rgb(71, 119, 221) }
```

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

Here you see how a box with a 4 pixel `rgb(71, 119, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(71, 119, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(71, 119, 221);  
box-shadow:4px 4px 4px 4px rgb(71, 119,  
221) }
```

Background

The CSS property to change the background color of an element to XYZ 22.2465, 19.7537, 71.0469 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(71, 119, 221) }
```

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

```
.background{ background-color: rgb(71, 119,  
221) }
```

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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