

Converting Colors

XYZ(22.8869, 21.5566, 71.3609)

Have a look what the booklet for
XYZ(22.8869, 21.5566, 71.3609)
contains.

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Color

**XYZ(22.8873, 21.5575,
71.3613)**

Conversions

Conversions Part 1

Format	Color
Hex	427FDD
RGB	66, 127, 221
RGB Percent	26%, 50%, 87%
CMY	0.7411, 0.5020, 0.1333
CMYK	0.70, 0.43, 0.00, 0.13
HSL	216°, 70%, 56%
HSV	216°, 70%, 87%
XYZ	22.8873, 21.5575, 71.3613
YIQ	119.4770, -66.5300, 16.3020

Conversions

Conversions Part 2

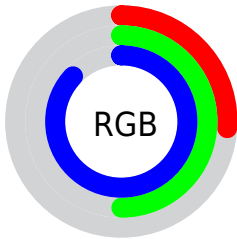
Format	Color
R _Y B	66, 110, 221
Decimal	4358109
CIE Lab	53.55, 11.26, -53.80
CIE LCh	54, 54.971, 281.825
Yxy	21.5575, 0.1976, 0.1862
Android (android.graphics.Color)	4282548189 (0xFF427FDD)
YUV	119.4770, 50.0508, -46.8993
Hunter-Lab	46.4301, 6.7375, -58.6255

Details

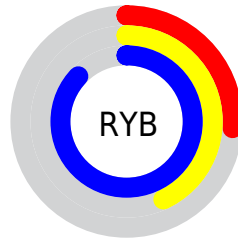
The XYZ color **22.8873, 21.5575, 71.3613** is a dark color, and the websafe version is hex **6699FF**. The color can be described as middle muted azure. A complement of this color would be **43.3751, 40.9105, 10.7662**, and the grayscale version is **17.5482, 18.4621, 20.1052**.

A 20% lighter version of the original color is **43.5302, 44.2855, 100.8614**, and **9.5875, 8.3086, 36.6957** is the 20% darker color. If you saturate the color by 10%, you get **20.0581, 17.6981, 70.7660**, and if you desaturate by 10%, it is **26.5235, 26.1752, 72.0614**.

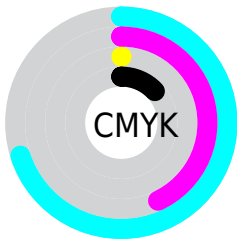
Distribution



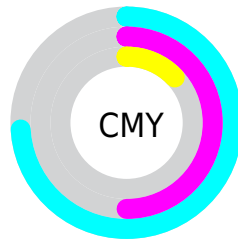
- Red (26%)
- Green (50%)
- Blue (87%)



- Red (26%)
- Yellow (43%)
- Blue (87%)



- Cyan (70%)
- Magenta (43%)
- Yellow (0%)
- Black (13%)



- Cyan (74%)
- Magenta (50%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.8873, 21.5575, 71.3613 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 22.8873, 21.5575, 71.3613 by changing the saturation by 10% instead.

■ 22.8873, 21.5575,
71.3613

■ 22.8873, 21.5575,
71.3613

259.6918,
260.2266, 484.2331

■ 14.6305, 13.5321,
52.1535

■ 47.6762, 46.0135,
122.8473

■ 8.6451, 7.7960,
36.7443

■ 64.9391, 63.2130,
155.9625

■ 4.5657, 3.9647,
24.7154

■ 85.9348, 84.2393,
194.5506

■ 2.0269, 1.6538,
15.6480

■ 111.0285,
109.4767, 239.0301

■ 0.6490, 0.3935,
9.1238

140.5857,
139.3098, 289.8196

■ 0.0000, 0.0000,
4.7241

174.9718,

■ 0.0000, 0.0000,

174.1229, 347.3375

2.0304

214.5520,
214.3004, 412.0025

■ 0.0000, 0.0000,
0.5739

■ 0.0000, 0.0000,
0.0000

■ 22.8873, 21.5575,
71.3613

■ 22.8873, 21.5575,
71.3613

■ 20.0581, 17.6981,
70.7660

■ 26.5235, 26.1752,
72.0614

■ 17.9538, 14.5406,
70.2674

■ 31.0317, 31.5968,
72.8703

■ 16.4568, 12.0316,
69.8620

■ 36.4730, 37.8660,
73.7936

■ 42.9015, 45.0221,
74.8360

■ 50.3671, 53.1018,
76.0021

■ 58.9162, 62.1394,
77.2960

■ 68.5921, 72.1676,
78.7216

■ 79.4357, 83.2170,
80.2828

■ 87.7454, 93.3888,
81.8082

Harmonies

Analogous

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



17.1714, 21.5575, 69.4368



22.8873, 21.5575, 71.3613



28.9623, 21.5575, 56.6781

Triad

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



22.8873, 21.5575, 71.3613



30.0885, 21.5575, 7.8565



11.5384, 21.5575, 14.7750

Complementary

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



22.8873, 21.5575, 71.3613



43.3751, 40.9105, 10.7662

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.



13.8553, 21.5575, 6.6997



22.8873, 21.5575, 71.3613



24.2102, 21.5575, 4.2218

Square

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



22.8873, 21.5575, 71.3613



33.6197, 21.5575, 17.4596



18.2658, 21.5575, 3.9337



11.3195, 21.5575, 30.7280

Rectangle

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



22.8873, 21.5575, 71.3613



32.1175, 21.5575, 42.2501



18.2658, 21.5575, 3.9337



12.0737, 21.5575, 11.2922

Sweetspot

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



22.8882, 21.5582, 71.3619



68.5189, 72.2207, 104.9364



34.3624, 55.3752, 41.6803



14.0283, 14.7725, 22.3620



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.



22.8882, 21.5582, 71.3619



26.3017, 22.3776, 97.5408



18.4372, 10.8900, 69.5373



12.7569, 13.4536, 16.5766



9.6630, 7.1955, 40.6180



0.7085, 0.6311, 2.6589

Inverse Universe

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



35.5986, 20.8022, 22.2181



45.7335, 24.3151, 21.7154



52.1557, 65.1573, 14.9835



13.2672, 13.1360, 14.6682



18.3728, 9.3501, 6.3430



1.2319, 0.6224, 0.6302

Previews

White Background



This preview shows how the XYZ color 22.8873, 21.5575, 71.3613 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 22.8873, 21.5575, 71.3613 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

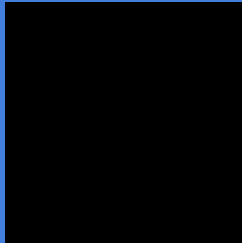
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

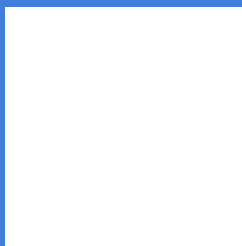
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 22.8873, 21.5575, 71.3613

Background



This preview shows how black text looks on a background with the XYZ color 22.8873, 21.5575, 71.3613.



This preview shows how white text looks on a background with the XYZ color 22.8873, 21.5575,

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

22.8873, 21.5575, 71.3613

Protanopia

23.7003, 21.4557, 69.2219

Deuteranopia

22.3696, 21.6779, 71.4119



Tritanopia

15.2746, 21.3497, 33.4528

Trichromacy



Original Color

22.8873, 21.5575, 71.3613

Protanomaly

23.3442, 21.4440, 69.9266

Deuteranomaly

22.5152, 21.5583, 71.3811

Tritanomaly

17.2167, 21.0169, 45.2687

Monochromacy



Original Color

22.8873, 21.5575, 71.3613

Achromatopsia

17.5343, 18.4475, 20.0893

Achromatomaly

18.2158, 19.0287, 34.1653

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.8873, 21.5575, 71.3613 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(66, 127, 221)` looks like.

```
.text, #text, p{  
  color:rgb(66, 127, 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(66, 127, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(66, 127, 221) }
```

Border

The CSS property to change the border of an element to XYZ 22.8873, 21.5575, 71.3613 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(66, 127, 221) }
```


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

```
.border{ border-color:rgb(66, 127, 221) }
```

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

Here you see how a box with a 4 pixel rgb(66, 127, 221) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(66, 127, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(66, 127, 221);  
box-shadow:4px 4px 4px 4px rgb(66, 127,  
221) }
```

Background

The CSS property to change the background color of an element to XYZ 22.8873, 21.5575, 71.3613 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(66, 127, 221) }
```

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

```
.background{ background-color: rgb(66, 127,  
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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