

Converting Colors

XYZ(22.6439, 20.4375, 71.1589)

Have a look what the booklet for
XYZ(22.6439, 20.4375, 71.1589)
contains.

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Color

**XYZ(22.6832, 20.5172,
71.1713)**

Conversions

Conversions Part 1

Format	Color
Hex	487ADD
RGB	72, 122, 221
RGB Percent	28%, 48%, 87%
CMY	0.7176, 0.5216, 0.1333
CMYK	0.67, 0.45, 0.00, 0.13
HSL	220°, 69%, 57%
HSV	220°, 67%, 87%
XYZ	22.6832, 20.5172, 71.1713
YIQ	118.3360, -61.5790, 20.1890

Conversions

Conversions Part 2

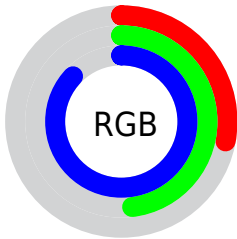
Format	Color
R_{YB}	72, 109, 221
Decimal	4750045
CIE _{Lab}	52.42, 15.24, -55.61
CIE _{LCh}	52, 57.661, 285.325
Yxy	20.5172, 0.1983, 0.1794
Android (android.graphics.Color)	4282940125 (0xFF487ADD)
YUV	118.3360, 50.6134, -40.6367
Hunter-Lab	45.2959, 10.1210, -61.4524

Details

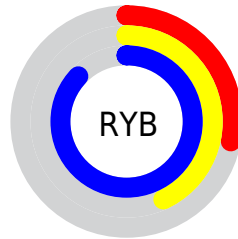
The XYZ color **22.6832, 20.5172, 71.1713** is a dark color, and the websafe version is hex **3366CC**. The color can be described as middle muted azure. A complement of this color would be **45.5538, 44.9698, 12.4117**, and the grayscale version is **17.1863, 18.0814, 19.6906**.

A 20% lighter version of the original color is **43.1777, 42.6430, 100.5630**, and **9.2403, 7.6142, 36.5800** is the 20% darker color. If you saturate the color by 10%, you get **19.6529, 16.4777, 70.5518**, and if you desaturate by 10%, it is **26.5796, 25.4080, 71.9104**.

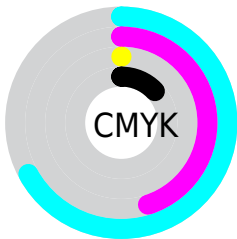
Distribution



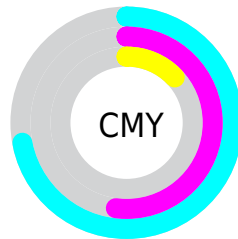
- Red (28%)
- Green (48%)
- Blue (87%)



- Red (28%)
- Yellow (43%)
- Blue (87%)



- Cyan (67%)
- Magenta (45%)
- Yellow (0%)
- Black (13%)



- Cyan (72%)
- Magenta (52%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.6832, 20.5172, 71.1713 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 22.6832, 20.5172, 71.1713 by changing the saturation by 10% instead.

■ 22.6832, 20.5172,
71.1713

■ 22.6832, 20.5172,
71.1713

258.6595,
254.7014, 483.5518

■ 14.4792, 12.7716,
51.9993

■ 47.3431, 44.2826,
122.5743

■ 8.5386, 7.2714,
36.6223

■ 64.5297, 61.0712,
155.6425

■ 4.4962, 3.6324,
24.6217

■ 85.4412, 81.6429,
194.1797

■ 1.9865, 1.4701,
15.5790

■ 110.4429,
106.3820, 238.6046

■ 0.6264, 0.2676,
9.0756

139.9003,
135.6730, 289.3358

■ 0.0000, 0.0000,
4.6930

174.1786,

■ 0.0000, 0.0000,

169.9004, 346.7917

2.0127

213.6432,
209.4484, 411.3908

■ 0.0000, 0.0000,
0.5631

■ 0.0000, 0.0000,
0.0000

■ 22.6832, 20.5172,
71.1713

■ 22.6832, 20.5172,
71.1713

■ 19.6529, 16.4777,
70.5518

■ 26.5796, 25.4080,
71.9104

■ 17.4070, 13.2288,
70.0430

■ 31.4080, 31.2005,
72.7740

■ 15.8433, 10.6985,
69.6371

■ 37.2301, 37.9428,
73.7685

■ 15.5102, 10.1384,
69.5465

■ 44.1017, 45.6786,
74.8995

■ 52.0738, 54.4487,
76.1722

■ 61.1944, 64.2917,
77.5913

■ 71.5083, 75.2438,
79.1617

■ 83.0577, 87.3396,
80.8877

■ 89.7852, 97.4685,
82.4882

Harmonies

Analogous

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



16.7443, 20.5172, 71.3799



22.6832, 20.5172, 71.1713



28.8188, 20.5172, 54.1960

Triad

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



22.6832, 20.5172, 71.1713



28.6998, 20.5172, 6.2031



10.3963, 20.5172, 15.0258

Complementary

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



22.6832, 20.5172, 71.1713



45.5538, 44.9698, 12.4117

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.



12.4452, 20.5172, 6.3157



22.6832, 20.5172, 71.1713



22.5448, 20.5172, 3.2720

Square

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



22.6832, 20.5172, 71.1713



32.7444, 20.5172, 14.7517



16.6312, 20.5172, 3.2989



10.4184, 20.5172, 32.1650

Rectangle

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



22.6832, 20.5172, 71.1713



31.8517, 20.5172, 38.9969



16.6312, 20.5172, 3.2989



10.8439, 20.5172, 11.2644

Sweetspot

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



22.6841, 20.5178, 71.1718



68.8379, 71.8294, 104.8441



35.6776, 55.9504, 46.3834



14.0577, 14.6316, 22.3332



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.



22.6841, 20.5178, 71.1718



25.7397, 20.7583, 97.2579



20.0222, 12.2552, 69.7173



12.6939, 13.3276, 16.5556



9.1038, 6.0770, 40.4316



0.6677, 0.5495, 2.6453

Inverse Universe

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



35.6499, 21.4134, 20.6668



45.5708, 24.7131, 19.4311



50.4876, 64.2758, 15.8781



13.2354, 13.1232, 14.5007



18.0905, 9.2372, 4.8566



1.2113, 0.6142, 0.5218

Previews

White Background



This preview shows how the XYZ color 22.6832, 20.5172, 71.1713 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 22.6832, 20.5172, 71.1713 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

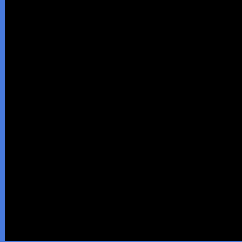
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 22.6832, 20.5172, 71.1713

Background



This preview shows how black text looks on a background with the XYZ color 22.6832, 20.5172, 71.1713.



This preview shows how white text looks on a background with the XYZ color 22.6832, 20.5172,

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

22.6832, 20.5172, 71.1713

Protanopia

22.8975, 20.4618, 70.4528

Deuteranopia

21.1785, 20.5011, 70.5510



Tritanopia

14.6134, 20.3985, 31.6009

Trichromacy



Original Color

22.6832, 20.5172, 71.1713

Protanomaly

22.7361, 20.3786, 70.4453

Deuteranomaly

21.5673, 20.5126, 70.5328

Tritanomaly

16.5542, 19.8890, 43.5239

Monochromacy



Original Color

22.6832, 20.5172, 71.1713

Achromatopsia

17.2197, 18.1164, 19.7288

Achromatomaly

17.8800, 18.3269, 33.6054

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.6832, 20.5172, 71.1713 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(72, 122, 221)` looks like.

```
.text, #text, p{  
    color:rgb(72, 122, 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(72, 122, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(72, 122, 221) }
```

Border

The CSS property to change the border of an element to XYZ 22.6832, 20.5172, 71.1713 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(72, 122, 221) }
```


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

```
.border{ border-color:rgb(72, 122, 221) }
```

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

Here you see how a box with a 4 pixel rgb(72, 122, 221) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(72, 122, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(72, 122, 221);  
box-shadow:4px 4px 4px 4px rgb(72, 122,  
221) }
```

Background

The CSS property to change the background color of an element to XYZ 22.6832, 20.5172, 71.1713 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(72, 122, 221) }
```

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

```
.background{ background-color: rgb(72, 122,  
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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