

Converting Colors

XYZ(22.2747, 20.0947, 71.7066)

Have a look what the booklet for
XYZ(22.2747, 20.0947, 71.7066)
contains.

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Color

**XYZ(22.3369, 20.1420,
71.8177)**

Conversions

Conversions Part 1

Format	Color
Hex	4379DE
RGB	67, 121, 222
RGB Percent	26%, 47%, 87%
CMY	0.7372, 0.5255, 0.1294
CMYK	0.70, 0.45, 0.00, 0.13
HSL	219°, 70%, 57%
HSV	219°, 70%, 87%
XYZ	22.3369, 20.1420, 71.8177
YIQ	116.3680, -64.6050, 19.9630

Conversions

Conversions Part 2

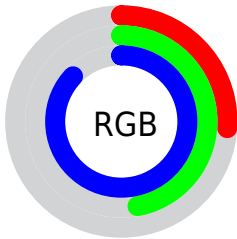
Format	Color
R_{YB}	67, 107, 222
Decimal	4422110
CIE _{Lab}	52.00, 15.46, -56.86
CIE _{LCh}	52, 58.923, 285.213
Yxy	20.1420, 0.1954, 0.1762
Android (android.graphics.Color)	4282612190 (0xFF4379DE)
YUV	116.3680, 52.0766, -43.2957
Hunter-Lab	44.8798, 10.3005, -63.4613

Details

The XYZ color **22.3369, 20.1420, 71.8177** 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 **45.1420, 43.9435, 11.4143**, and the grayscale version is **16.5737, 17.4369, 18.9888**.

A 20% lighter version of the original color is **42.5093, 42.0127, 100.4765**, and **9.2655, 7.5183, 37.0392** is the 20% darker color. If you saturate the color by 10%, you get **19.4680, 16.2461, 71.2174**, and if you desaturate by 10%, it is **26.0542, 24.8669, 72.5342**.

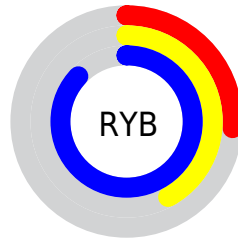
Distribution



Red (26%)

Green (47%)

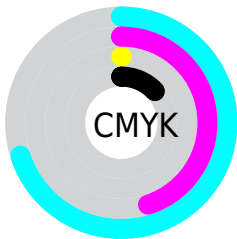
Blue (87%)



Red (26%)

Yellow (42%)

Blue (87%)

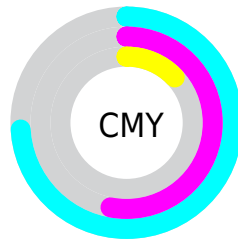


Cyan (70%)

Magenta (45%)

Yellow (0%)

Black (13%)



Cyan (74%)

Magenta (53%)

Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.3369, 20.1420, 71.8177 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 22.3369, 20.1420, 71.8177 by changing the saturation by 10% instead.

■ 22.3369, 20.1420,
71.8177

■ 22.3369, 20.1420,
71.8177

256.9001,
252.6828, 485.8673

■ 14.2226, 12.4983,
52.5238

■ 46.7769, 43.6551,
123.5026

■ 8.3584, 7.0840,
37.0377

■ 63.8334, 60.2934,
156.7308

■ 4.3789, 3.5147,
24.9406

■ 84.6013, 80.6985,
195.4408

■ 1.9186, 1.4060,
15.8142

■ 109.4460,
105.2551, 240.0511

■ 0.5876, 0.2211,
9.2399

138.7329,
134.3474, 290.9804

■ 0.0000, 0.0000,
4.7990

172.8273,

■ 0.0000, 0.0000,

168.3599, 348.6472

2.0732

212.0946,
207.6769, 413.4700

■ 0.0000, 0.0000,
0.5997

■ 0.0000, 0.0000,
0.0000

■ 22.3369, 20.1420,
71.8177

■ 22.3369, 20.1420,
71.8177

■ 19.4680, 16.2461,
71.2174

■ 26.0542, 24.8669,
72.5342

■ 17.3624, 13.1176,
70.7245

■ 30.6879, 30.4718,
73.3719

■ 15.8862, 10.6689,
70.3297

■ 36.3016, 37.0049,
74.3370

■ 15.8623, 10.6287,
70.3232

■ 42.9519, 44.5100,
75.4351

■ 50.6910, 53.0278,
76.6713

■ 59.5676, 62.5967,
78.0505

■ 69.6270, 73.2529,
79.5771

■ 80.9121, 85.0305,
81.2557

■ 88.9846, 95.6535,
82.8806

Harmonies

Analogous

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



16.3461, 20.1420, 71.9582



22.3369, 20.1420, 71.8177



28.5641, 20.1420, 54.4483

Triad

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



22.3369, 20.1420, 71.8177



28.4849, 20.1420, 5.8382



10.0099, 20.1420, 14.5278

Complementary

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



22.3369, 20.1420, 71.8177



45.1420, 43.9435, 11.4143

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.



12.0632, 20.1420, 5.9105



22.3369, 20.1420, 71.8177



22.2451, 20.1420, 2.9790

Square

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



22.3369, 20.1420, 71.8177



32.5873, 20.1420, 14.3480



16.2715, 20.1420, 2.9958



10.0243, 20.1420, 31.8033

Rectangle

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



22.3369, 20.1420, 71.8177



31.6567, 20.1420, 38.9212



16.2715, 20.1420, 2.9958



10.4586, 20.1420, 10.7837

Sweetspot

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



22.3378, 20.1426, 71.8182



67.8792, 70.9412, 104.7231



35.4817, 56.2545, 45.9137



13.8774, 14.4708, 22.3117



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.



22.3378, 20.1426, 71.8182



25.1350, 20.0443, 97.1519



19.4342, 11.4760, 70.2984



13.3406, 14.0203, 17.3908



9.5160, 6.5015, 41.8017



0.7414, 0.6143, 2.9247

Inverse Universe

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



35.5833, 20.9256, 20.2531



45.1446, 24.0795, 18.6144



50.6222, 64.7564, 15.1428



13.9034, 13.7790, 15.2614



18.7434, 9.5644, 5.3146



1.3405, 0.6795, 0.5858

Previews

White Background



This preview shows how the XYZ color 22.3369, 20.1420, 71.8177 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 22.3369, 20.1420, 71.8177 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

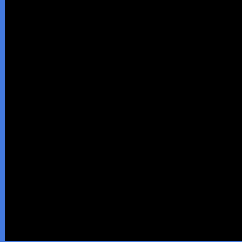
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

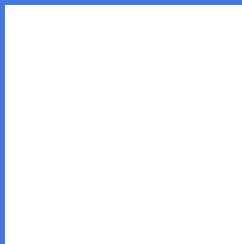
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 22.3369, 20.1420, 71.8177

Background



This preview shows how black text looks on a background with the XYZ color 22.3369, 20.1420, 71.8177.



This preview shows how white text looks on a background with the XYZ color 22.3369, 20.1420,

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

22.3369, 20.1420, 71.8177

Protanopia

22.6693, 20.1493, 71.1010

Deuteranopia

20.7614, 20.0819, 71.1886



Tritanopia

14.2910, 20.0294, 31.1298

Trichromacy



Original Color

22.3369, 20.1420, 71.8177

Protanomaly

22.4401, 20.0311, 71.0903

Deuteranomaly

21.1339, 20.0869, 71.1699

Tritanomaly

16.2309, 19.5219, 43.4701

Monochromacy



Original Color

22.3369, 20.1420, 71.8177

Achromatopsia

16.6002, 17.4647, 19.0191

Achromatomaly

17.4318, 17.9201, 33.5505

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.3369, 20.1420, 71.8177 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(67, 121, 222)` looks like.

```
.text, #text, p{  
    color:rgb(67, 121, 222)  
}
```

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(67, 121, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(67, 121, 222) }
```

Border

The CSS property to change the border of an element to XYZ 22.3369, 20.1420, 71.8177 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(67, 121, 222) }
```


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

```
.border{ border-color:rgb(67, 121, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(67, 121, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(67, 121, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(67, 121, 222);  
box-shadow:4px 4px 4px 4px rgb(67, 121,  
222) }
```

Background

The CSS property to change the background color of an element to XYZ 22.3369, 20.1420, 71.8177 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(67, 121, 222) }
```

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

```
.background{ background-color: rgb(67, 121,  
222) }
```

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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