

Converting Colors

XYZ(21.9274, 19.9519, 68.1713)

Have a look what the booklet for
XYZ(21.9274, 19.9519, 68.1713)
contains.

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Color

**XYZ(22.0342, 20.0622,
68.3567)**

Conversions

Conversions Part 1

Format	Color
Hex	4879D9
RGB	72, 121, 217
RGB Percent	28%, 47%, 85%
CMY	0.7176, 0.5255, 0.1490
CMYK	0.67, 0.44, 0.00, 0.15
HSL	220°, 66%, 57%
HSV	220°, 67%, 85%
XYZ	22.0342, 20.0622, 68.3567
YIQ	117.2930, -60.0200, 19.4680

Conversions

Conversions Part 2

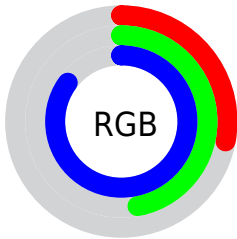
Format	Color
R _Y B	72, 109, 217
Decimal	4749785
CIE Lab	51.91, 14.45, -54.17
CIE LCh	52, 56.065, 284.935
Yxy	20.0622, 0.1995, 0.1816
Android (android.graphics.Color)	4282939865 (0xFF4879D9)
YUV	117.2930, 49.1556, -39.7220
Hunter-Lab	44.7908, 9.4265, -59.1307

Details

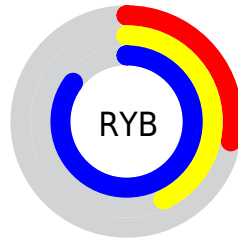
The XYZ color **22.0342, 20.0622, 68.3567** is a dark color, and the websafe version is hex **3366CC**. The color can be described as middle muted azure. A complement of this color would be **43.7894, 43.2278, 12.1681**, and the grayscale version is **16.8659, 17.7443, 19.3235**.

A 20% lighter version of the original color is **42.8251, 42.1755, 100.4913**, and **8.8156, 7.3383, 34.6700** is the 20% darker color. If you saturate the color by 10%, you get **19.0747, 16.1349, 67.7551**, and if you desaturate by 10%, it is **25.8262, 24.8051, 69.0728**.

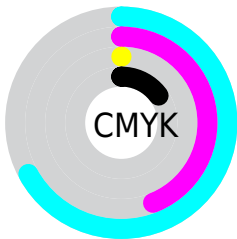
Distribution



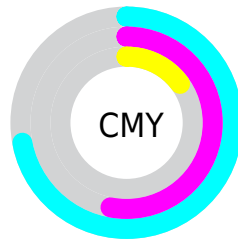
- Red (28%)
- Green (47%)
- Blue (85%)



- Red (28%)
- Yellow (43%)
- Blue (85%)



- Cyan (67%)
- Magenta (44%)
- Yellow (0%)
- Black (15%)



- Cyan (72%)
- Magenta (53%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.0342, 20.0622, 68.3567 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 22.0342, 20.0622, 68.3567 by changing the saturation by 10% instead.

■ 22.0342, 20.0622,
68.3567

■ 22.0342, 20.0622,
68.3567

255.3538,
252.2516, 473.3911

■ 13.9988, 12.4403,
49.7195

■ 46.2809, 43.5214,
118.5213

■ 8.2015, 7.0443,
34.8209

■ 63.2230, 60.1275,
150.8858

■ 4.2770, 3.4898,
23.2425

■ 83.8646, 80.4971,
188.6631

■ 1.8600, 1.3925,
14.5657

■ 108.5711,
105.0147, 232.2718

■ 0.5534, 0.2112,
8.3719

137.7080,
134.0645, 282.1304

■ 0.0000, 0.0000,
4.2427

171.6405,

■ 0.0000, 0.0000,

168.0310, 338.6575

1.7594

210.7340,
207.2986, 402.2715

■ 0.0000, 0.0000,
0.4010

■ 0.0000, 0.0000,
0.0000

■ 22.0342, 20.0622,
68.3567

■ 22.0342, 20.0622,
68.3567

■ 19.0747, 16.1349,
67.7551

■ 25.8262, 24.8051,
69.0728

■ 16.8704, 12.9658,
67.2596

■ 30.5128, 30.4110,
69.9078

■ 15.3281, 10.4887,
66.8627

■ 36.1528, 36.9254,
70.8679

■ 14.9284, 9.8177,
66.7543

■ 42.7989, 44.3899,
71.9584

■ 50.4998, 52.8430,
73.1842

■ 59.3009, 62.3213,
74.5498

■ 69.2449, 72.8591,
76.0597

■ 80.3720, 84.4893,
77.7181

■ 88.0463, 94.8335,
79.3102

Harmonies

Analogous

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



16.3601, 20.0622, 68.3175



22.0342, 20.0622, 68.3567



27.9019, 20.0622, 52.4398

Triad

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



22.0342, 20.0622, 68.3567



27.9244, 20.0622, 6.3312



10.3242, 20.0622, 14.6612

Complementary

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



22.0342, 20.0622, 68.3567



43.7894, 43.2278, 12.1681

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.



12.3292, 20.0622, 6.3093



22.0342, 20.0622, 68.3567



22.0605, 20.0622, 3.3941

Square

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



22.0342, 20.0622, 68.3567



31.7357, 20.0622, 14.7137



16.3817, 20.0622, 3.3889



10.3200, 20.0622, 30.9712

Rectangle

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



22.0342, 20.0622, 68.3567



30.8155, 20.0622, 38.0176



16.3817, 20.0622, 3.3889



10.7657, 20.0622, 11.0647

Sweetspot

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



22.0351, 20.0628, 68.3572



68.8698, 71.8934, 104.8547



34.3923, 53.7665, 44.7636



14.0653, 14.6467, 22.3357



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.



22.0351, 20.0628, 68.3572



26.1235, 21.3403, 97.3500



19.4335, 12.0124, 66.9405



12.6965, 13.3327, 16.5564



9.1247, 6.1188, 40.4385



0.6693, 0.5527, 2.6459

Inverse Universe

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



34.3846, 20.7681, 20.2859



45.8099, 24.9821, 20.1552



48.5538, 61.7297, 15.4882



13.2367, 13.1238, 14.5075



18.1010, 9.2415, 4.9122



1.2121, 0.6145, 0.5259

Previews

White Background



This preview shows how the XYZ color 22.0342, 20.0622, 68.3567 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 22.0342, 20.0622, 68.3567 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

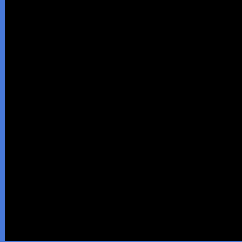
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

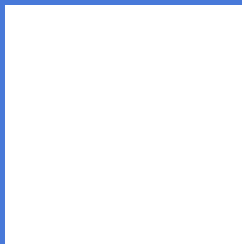
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 22.0342, 20.0622, 68.3567

Background



This preview shows how black text looks on a background with the XYZ color 22.0342, 20.0622, 68.3567.



This preview shows how white text looks on a background with the XYZ color 22.0342, 20.0622,

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

22.0342, 20.0622, 68.3567

Protanopia

22.3356, 20.0531, 67.6592

Deuteranopia

20.7670, 20.1606, 67.7626



Tritanopia

14.4180, 19.8849, 31.0952

Trichromacy



Original Color

22.0342, 20.0622, 68.3567

Protanomaly

22.0916, 19.9273, 67.6477

Deuteranomaly

21.1236, 20.1574, 67.7432

Tritanomaly

16.4585, 19.6618, 42.4628

Monochromacy



Original Color

22.0342, 20.0622, 68.3567

Achromatopsia

16.9083, 17.7888, 19.3720

Achromatomaly

17.5950, 18.0235, 32.6885

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.0342, 20.0622, 68.3567 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, 121, 217)` looks like.

```
.text, #text, p{  
    color:rgb(72, 121, 217)  
}
```

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, 121, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(72, 121, 217) }
```

Border

The CSS property to change the border of an element to XYZ 22.0342, 20.0622, 68.3567 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, 121, 217) }
```


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

```
.border{ border-color:rgb(72, 121, 217) }
```

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

Here you see how a box with a 4 pixel `rgb(72, 121, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(72, 121, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(72, 121, 217);  
box-shadow:4px 4px 4px 4px rgb(72, 121,  
217) }
```

Background

The CSS property to change the background color of an element to XYZ 22.0342, 20.0622, 68.3567 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(72, 121, 217) }
```

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

```
.background{ background-color: rgb(72, 121,  
217) }
```

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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