

Converting Colors

XYZ(22.1259, 21.2964, 56.9167)

Have a look what the booklet for
XYZ(22.1259, 21.2964, 56.9167)
contains.

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Color

**XYZ(22.1833, 21.3205,
56.9789)**

Conversions

Conversions Part 1

Format	Color
Hex	5C7EC7
RGB	92, 126, 199
RGB Percent	36%, 49%, 78%
CMY	0.6392, 0.5059, 0.2196
CMYK	0.54, 0.37, 0.00, 0.22
HSL	221°, 49%, 57%
HSV	221°, 54%, 78%
XYZ	22.1833, 21.3205, 56.9789
YIQ	124.1560, -43.6970, 15.4950

Conversions

Conversions Part 2

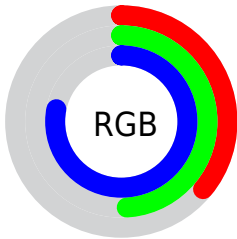
Format	Color
R _Y B	92, 118, 199
Decimal	6061767
CIE Lab	53.30, 9.14, -41.69
CIE LCh	53, 42.680, 282.373
Yxy	21.3205, 0.2208, 0.2122
Android (android.graphics.Color)	4284251847 (0xFF5C7EC7)
YUV	124.1560, 36.8981, -28.2008
Hunter-Lab	46.1741, 4.9515, -40.8420

Details

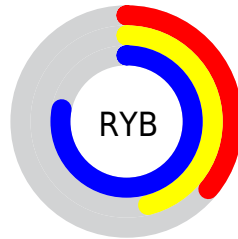
The XYZ color **22.1833, 21.3205, 56.9789** is a dark color, and the websafe version is hex **666699**. The color can be described as middle muted azure. A complement of this color would be **38.9414, 39.8270, 15.7614**, and the grayscale version is **19.1022, 20.0970, 21.8856**.

A 20% lighter version of the original color is **46.1831, 45.3567, 100.9283**, and **8.3419, 7.7543, 27.8451** is the 20% darker color. If you saturate the color by 10%, you get **18.8303, 17.1875, 56.3583**, and if you desaturate by 10%, it is **26.2956, 26.1954, 57.7035**.

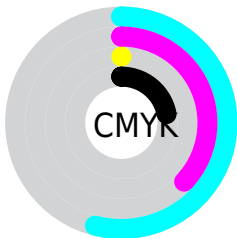
Distribution



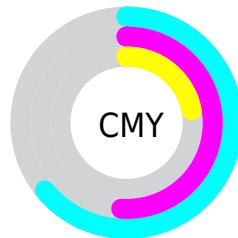
- Red (36%)
- Green (49%)
- Blue (78%)



- Red (36%)
- Yellow (46%)
- Blue (78%)



- Cyan (54%)
- Magenta (37%)
- Yellow (0%)
- Black (22%)



- Cyan (64%)
- Magenta (51%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.1833, 21.3205, 56.9789 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 22.1833, 21.3205, 56.9789 by changing the saturation by 10% instead.

■ 22.1833, 21.3205,
56.9789

■ 22.1833, 21.3205,
56.9789

256.1164,
258.9769, 430.8618

■ 14.1090, 13.3585,
40.5791

■ 46.5254, 45.6203,
101.9344

■ 8.2787, 7.6759,
27.6731

■ 63.5238, 62.7269,
131.3272

■ 4.3271, 3.8882,
17.8425

■ 84.2278, 83.6505,
165.8880

■ 1.8888, 1.6112,
10.6687

■ 109.0025,
108.7755, 206.0354

■ 0.5703, 0.3652,
5.7332

138.2134,
138.4862, 252.1879

■ 0.0000, 0.0000,
2.6174

172.2257,

■ 0.0000, 0.0000,

173.1671, 304.7642

0.9014

211.4050,
213.2025, 364.1826

■ 0.0000, 0.0000,
0.0000

■ 22.1833, 21.3205,
56.9789

■ 22.1833, 21.3205,
56.9789

■ 18.8303, 17.1875,
56.3583

■ 26.2956, 26.1954,
57.7035

■ 16.1830, 13.7538,
55.8351

■ 31.2110, 31.8469,
58.5353

■ 14.1839, 10.9751,
55.4041

■ 36.9726, 38.3103,
59.4792

■ 12.7638, 8.7998,
55.0591

■ 43.6197, 45.6175,
60.5393

■ 12.0991, 7.7040,
54.8826

■ 51.1889, 53.7990,
61.7196

■ 59.7148, 62.8835,
63.0237

■ 69.2302, 72.8983,
64.4552

■ 79.7661, 83.8696,
66.0176

■ 85.1765, 92.6388,
67.4250

Harmonies

Analogous

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



17.7462, 21.3205, 55.9115



22.1833, 21.3205, 56.9789



26.7006, 21.3205, 46.8703

Triad

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



22.1833, 21.3205, 56.9789



27.3832, 21.3205, 10.1607



13.0620, 21.3205, 16.4664

Complementary

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



22.1833, 21.3205, 56.9789



38.9414, 39.8270, 15.7614

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.



14.9559, 21.3205, 9.2590



22.1833, 21.3205, 56.9789



23.0105, 21.3205, 6.6607

Square

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



22.1833, 21.3205, 56.9789



29.9886, 21.3205, 18.2815



18.4597, 21.3205, 6.4071



12.9088, 21.3205, 28.9632

Rectangle

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



22.1833, 21.3205, 56.9789



28.9760, 21.3205, 36.7671



18.4597, 21.3205, 6.4071



13.5016, 21.3205, 13.4836

Sweetspot

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



22.1841, 21.3212, 56.9794



73.3538, 76.5739, 105.5218



31.4787, 45.7792, 41.9854



15.1700, 15.8080, 22.5017



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.



22.1841, 21.3212, 56.9794



31.8541, 28.6768, 98.4640



20.5468, 15.0834, 55.8617



10.3272, 10.8284, 13.4633



7.8503, 5.0945, 35.3139



0.4375, 0.3728, 1.6941

Inverse Universe

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



31.1470, 21.3039, 22.2096



49.7093, 30.3969, 28.8047



41.4511, 51.4641, 17.8753



10.7704, 10.6916, 11.7743



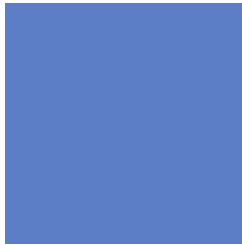
15.7618, 8.0543, 3.9555



0.7795, 0.3947, 0.3622

Previews

White Background



This preview shows how the XYZ color 22.1833, 21.3205, 56.9789 looks on a white background.

Color Contrast Check

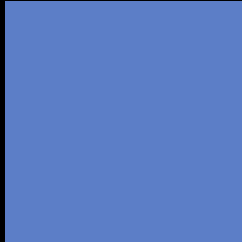
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.1833, 21.3205, 56.9789 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

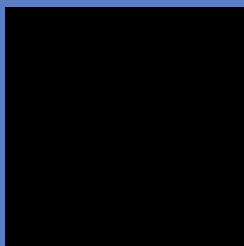
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

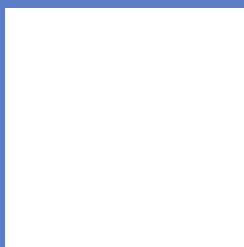
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 22.1833, 21.3205, 56.9789

Background



This preview shows how black text looks on a background with the XYZ color 22.1833, 21.3205, 56.9789.

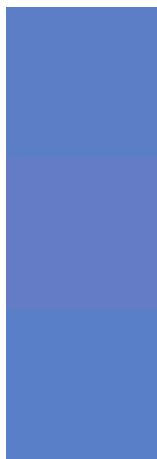


This preview shows how white text looks on a background with the XYZ color 22.1833, 21.3205,

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

22.1833, 21.3205, 56.9789

Protanopia

22.6562, 21.2018, 56.3243

Deuteranopia

21.9227, 21.3770, 57.0035



Tritanopia

17.1150, 21.4853, 31.2620

Trichromacy



Original Color

22.1833, 21.3205, 56.9789

Protanomaly

22.4564, 21.2858, 56.3511

Deuteranomaly

22.0180, 21.4261, 57.0080

Tritanomaly

18.7559, 21.3144, 39.6848

Monochromacy



Original Color

22.1833, 21.3205, 56.9789

Achromatopsia

19.1579, 20.1556, 21.9495

Achromatomaly

19.6016, 20.3463, 32.1723

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.1833, 21.3205, 56.9789 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(92, 126, 199)` looks like.

```
.text, #text, p{  
    color:rgb(92, 126, 199)  
}
```

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(92, 126, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(92, 126, 199) }
```

Border

The CSS property to change the border of an element to XYZ 22.1833, 21.3205, 56.9789 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(92, 126, 199) }
```


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

```
.border{ border-color:rgb(92, 126, 199) }
```

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

Here you see how a box with a 4 pixel rgb(92, 126, 199) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(92, 126, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(92, 126, 199);  
box-shadow:4px 4px 4px 4px rgb(92, 126,  
199) }
```

Background

The CSS property to change the background color of an element to XYZ 22.1833, 21.3205, 56.9789 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(92, 126, 199) }
```

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

```
.background{ background-color: rgb(92, 126,  
199) }
```

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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