

Converting Colors

XYZ(21.9557, 17.5532, 73.4065)

Have a look what the booklet for
XYZ(21.9557, 17.5532, 73.4065)
contains.

XYZ(21.9902, 17.5713, 73.4668)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(21.9902, 17.5713,
73.4668)**

Conversions

Conversions Part 1

Format	Color
Hex	4E6BE1
RGB	78, 107, 225
RGB Percent	31%, 42%, 88%
CMY	0.6941, 0.5804, 0.1176
CMYK	0.65, 0.52, 0.00, 0.12
HSL	228°, 71%, 59%
HSV	228°, 65%, 88%
XYZ	21.9902, 17.5713, 73.4668
YIQ	111.7810, -55.1620, 30.5500

Conversions

Conversions Part 2

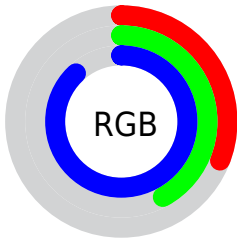
Format	Color
R _Y B	78, 102, 225
Decimal	5139425
CIE Lab	48.97, 26.90, -63.40
CIE LCh	49, 68.867, 292.990
Yxy	17.5713, 0.1946, 0.1555
Android (android.graphics.Color)	4283329505 (0xFF4E6BE1)
YUV	111.7810, 55.8170, -29.6259
Hunter-Lab	41.9181, 20.2841, -74.5705

Details

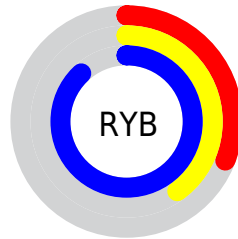
The XYZ color **21.9902, 17.5713, 73.4668** is a dark color, and the websafe version is hex **6666CC**. The color can be described as middle muted azure. A complement of this color would be **52.1690, 56.0418, 15.2769**, and the grayscale version is **15.1914, 15.9825, 17.4050**.

A 20% lighter version of the original color is **41.2614, 37.3364, 99.6397**, and **8.7773, 6.0963, 38.2502** is the 20% darker color. If you saturate the color by 10%, you get **18.7615, 13.3974, 72.8317**, and if you desaturate by 10%, it is **26.2442, 22.8578, 74.2634**.

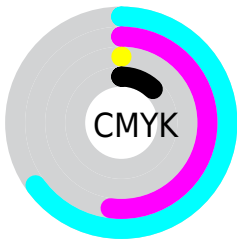
Distribution



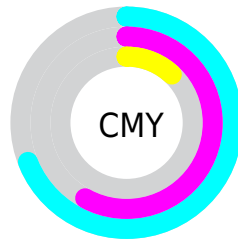
- Red (31%)
- Green (42%)
- Blue (88%)



- Red (31%)
- Yellow (40%)
- Blue (88%)



- Cyan (65%)
- Magenta (52%)
- Yellow (0%)
- Black (12%)



- Cyan (69%)
- Magenta (58%)
- Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.9902, 17.5713, 73.4668 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 21.9902, 17.5713, 73.4668 by changing the saturation by 10% instead.

■ 21.9902, 17.5713,
73.4668

■ 21.9902, 17.5713,
73.4668

255.1284,
238.4434, 491.7452

■ 13.9663, 10.6426,
53.8636

■ 46.2088, 39.3055,
125.8667

■ 8.1787, 5.8271,
38.1002

■ 63.1341, 54.8798,
159.5005

■ 4.2623, 2.7402,
25.7580

■ 83.7573, 74.1047,
198.6483

■ 1.8516, 0.9977,
16.4186

■ 108.4437, 97.3648,
243.7285

■ 0.5485, 0.0000,
9.6633

137.5587,
125.0443, 295.1598

■ 0.0000, 0.0000,
5.0736

171.4675,

■ 0.0000, 0.0000,

157.5276, 353.3606

2.2310

210.5357,
195.1992, 418.7496

■ 0.0000, 0.0000,
0.6922

■ 0.0000, 0.0000,
0.0000

■ 21.9902, 17.5713,
73.4668

■ 21.9902, 17.5713,
73.4668

■ 18.7615, 13.3974,
72.8317

■ 26.2442, 22.8578,
74.2634

■ 16.4635, 10.2504,
72.3454

■ 31.6016, 29.3304,
75.2304

■ 14.9869, 8.0333,
71.9953

■ 38.1353, 37.0576,
76.3775

■ 14.5055, 7.2659,
71.8726

■ 45.9113, 46.1025,
77.7135

■ 54.9905, 56.5234,
79.2464

■ 65.4298, 68.3755,
80.9839

■ 77.2827, 81.7106,
82.9331

■ 89.4840, 96.0028,
85.0487

■ 90.5907, 98.2163,
85.4176

Harmonies

Analogous

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



15.2421, 17.5713, 79.8704



21.9902, 17.5713, 73.4668



28.5980, 17.5713, 49.2022

Triad

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



21.9902, 17.5713, 73.4668



25.2695, 17.5713, 2.5242



7.2141, 17.5713, 15.1410

Complementary

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



21.9902, 17.5713, 73.4668



52.1690, 56.0418, 15.2769

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.



8.6679, 17.5713, 4.7825



21.9902, 17.5713, 73.4668



18.2501, 17.5713, 1.1333

Square

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



21.9902, 17.5713, 73.4668



30.8045, 17.5713, 8.3947



12.3362, 17.5713, 1.5646



7.7327, 17.5713, 36.4881

Rectangle

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



21.9902, 17.5713, 73.4668



31.4705, 17.5713, 31.4220



12.3362, 17.5713, 1.5646



7.4725, 17.5713, 10.5550

Sweetspot

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



21.9910, 17.5718, 73.4673



67.0133, 68.1803, 104.2359



39.9866, 59.4383, 61.3527



13.6264, 13.7689, 22.1894



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.



21.9910, 17.5718, 73.4673



23.8084, 16.3075, 96.5006



24.3568, 15.0317, 72.8523



13.1698, 13.6788, 17.3338



8.4239, 4.3173, 41.4377



0.6466, 0.4246, 2.8931

Inverse Universe

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



36.4304, 22.5192, 16.3365



44.7396, 24.9303, 13.3591



47.3342, 64.2130, 17.1090



13.8172, 13.7445, 14.8075



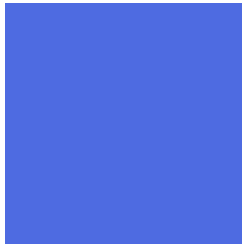
18.1922, 9.3439, 2.4118



1.2926, 0.6603, 0.3337

Previews

White Background



This preview shows how the XYZ color 21.9902, 17.5713, 73.4668 looks on a white 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

Black Background



This preview shows how the XYZ color 21.9902, 17.5713, 73.4668 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

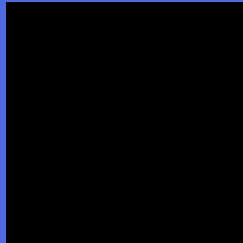
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 21.9902, 17.5713, 73.4668

Background



This preview shows how black text looks on a background with the XYZ color 21.9902, 17.5713, 73.4668.



This preview shows how white text looks on a background with the XYZ color 21.9902, 17.5713,

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

21.9902, 17.5713, 73.4668

Protanopia

20.8764, 17.7136, 77.1817

Deuteranopia

17.7409, 17.4619, 61.4669



Tritanopia

12.5454, 17.3880, 27.1211

Trichromacy



Original Color

21.9902, 17.5713, 73.4668

Protanomaly

21.0477, 17.5102, 75.6693

Deuteranomaly

18.6338, 17.1365, 65.9439

Tritanomaly

14.7351, 16.7285, 40.4825

Monochromacy



Original Color

21.9902, 17.5713, 73.4668

Achromatopsia

15.4009, 16.2029, 17.6450

Achromatomaly

16.5812, 16.1611, 32.3825

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.9902, 17.5713, 73.4668 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(78, 107, 225)` looks like.

```
.text, #text, p{  
    color:rgb(78, 107, 225)  
}
```

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(78, 107, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(78, 107, 225) }
```

Border

The CSS property to change the border of an element to XYZ 21.9902, 17.5713, 73.4668 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(78, 107, 225) }
```


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

```
.border{ border-color:rgb(78, 107, 225) }
```

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

Here you see how a box with a 4 pixel `rgb(78, 107, 225)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(78, 107, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(78, 107, 225);  
box-shadow:4px 4px 4px 4px rgb(78, 107,  
225) }
```

Background

The CSS property to change the background color of an element to XYZ 21.9902, 17.5713, 73.4668 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(78, 107, 225) }
```

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

```
.background{ background-color: rgb(78, 107,  
225) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor