

Converting Colors

XYZ(21.7273, 17.5443, 74.8489)

Have a look what the booklet for
XYZ(21.7273, 17.5443, 74.8489)
contains.

XYZ(21.7535, 17.5733, 74.9185)	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(21.7535, 17.5733,
74.9185)**

Conversions

Conversions Part 1

Format	Color
Hex	466CE3
RGB	70, 108, 227
RGB Percent	27%, 42%, 89%
CMY	0.7255, 0.5765, 0.1098
CMYK	0.69, 0.52, 0.00, 0.11
HSL	225°, 74%, 58%
HSV	225°, 69%, 89%
XYZ	21.7535, 17.5733, 74.9185
YIQ	110.2040, -60.8470, 28.9530

Conversions

Conversions Part 2

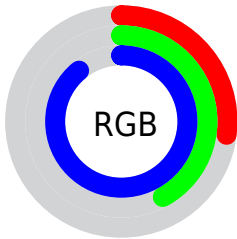
Format	Color
R _Y B	70, 101, 227
Decimal	4615395
CIE Lab	48.97, 25.78, -64.54
CIE LCh	49, 69.500, 291.775
Yxy	17.5733, 0.1904, 0.1538
Android (android.graphics.Color)	4282805475 (0xFF466CE3)
YUV	110.2040, 57.5804, -35.2589
Hunter-Lab	41.9205, 19.2668, -76.6161

Details

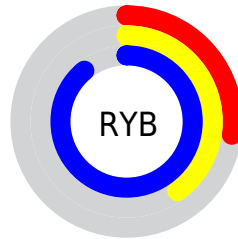
The XYZ color **21.7535, 17.5733, 74.9185** is a dark color, and the websafe version is hex **3366CC**. The color can be described as middle muted azure. A complement of this color would be **50.9843, 53.1728, 13.3722**, and the grayscale version is **14.7330, 15.5003, 16.8798**.

A 20% lighter version of the original color is **40.4398, 37.1672, 99.6503**, and **9.0733, 6.3855, 39.2824** is the 20% darker color. If you saturate the color by 10%, you get **18.7753, 13.6048, 74.3099**, and if you desaturate by 10%, it is **25.7100, 22.5779, 75.6764**.

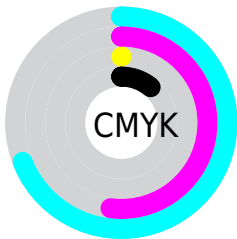
Distribution



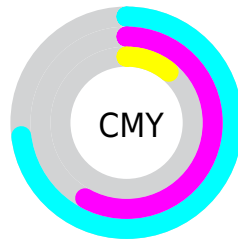
- Red (27%)
- Green (42%)
- Blue (89%)



- Red (27%)
- Yellow (40%)
- Blue (89%)



- Cyan (69%)
- Magenta (52%)
- Yellow (0%)
- Black (11%)



- Cyan (73%)
- Magenta (58%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.7535, 17.5733, 74.9185 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 21.7535, 17.5733, 74.9185 by changing the saturation by 10% instead.

■ 21.7535, 17.5733,
74.9185

■ 21.7535, 17.5733,
74.9185

253.9129,
238.4548, 496.8853

■ 13.7915, 10.6441,
55.0448

■ 45.8201, 39.3089,
127.9430

■ 8.0565, 5.8280,
39.0387

■ 62.6555, 54.8840,
161.9309

■ 4.1832, 2.7408,
26.4818

■ 83.1793, 74.1099,
201.4606

■ 1.8063, 0.9980,
16.9554

■ 107.7569, 97.3710,
246.9507

■ 0.5215, 0.0000,
10.0411

136.7537,
125.0517, 298.8197

■ 0.0000, 0.0000,
5.3203

170.5351,

■ 0.0000, 0.0000,

157.5362, 357.4861

2.3744

209.4664,
195.2092, 423.3684

■ 0.0000, 0.0000,
0.7724

■ 0.0000, 0.0000,
0.0000

■ 21.7535, 17.5733,
74.9185

■ 21.7535, 17.5733,
74.9185

■ 18.7753, 13.6048,
74.3099

■ 25.7100, 22.5779,
75.6764

■ 16.6779, 10.5904,
73.8386

■ 30.7242, 28.6883,
76.5915

■ 15.3218, 8.4237,
73.4919

■ 36.8699, 35.9692,
77.6730

■ 15.2282, 8.2721,
73.4675

■ 44.2131, 44.4797,
78.9286

■ 52.8147, 54.2750,
80.3660

■ 62.7315, 65.4066,
81.9919

■ 74.0166, 77.9231,
83.8131

■ 86.7201, 91.8708,
85.8357

■ 90.8652, 98.3261,
86.8632

Harmonies

Analogous

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



14.9864, 17.5733, 80.4519



21.7535, 17.5733, 74.9185



28.4998, 17.5733, 50.7107

Triad

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



21.7535, 17.5733, 74.9185



25.6389, 17.5733, 2.5776



7.1711, 17.5733, 14.4784

Complementary

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



21.7535, 17.5733, 74.9185



50.9843, 53.1728, 13.3722

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.



8.7148, 17.5733, 4.4754



21.7535, 17.5733, 74.9185



18.5457, 17.5733, 1.1003

Square

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



21.7535, 17.5733, 74.9185



31.1161, 17.5733, 8.7305



12.5016, 17.5733, 1.4572



7.6120, 17.5733, 35.6191

Rectangle

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



21.7535, 17.5733, 74.9185



31.5168, 17.5733, 32.5729



12.5016, 17.5733, 1.4572



7.4570, 17.5733, 10.0179

Sweetspot

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



21.7543, 17.5738, 74.9190



66.4087, 68.0002, 104.2330



39.0462, 59.8612, 56.9338



13.5319, 13.7799, 22.1965



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.



21.7543, 17.5738, 74.9190



23.1144, 15.8479, 96.4484



22.3944, 13.1952, 74.0401



13.8646, 14.4507, 18.2028



8.9572, 4.9765, 42.8716



0.7332, 0.5103, 3.1918

Inverse Universe

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



36.5763, 21.7953, 16.4666



44.1626, 23.8317, 12.9961



49.2533, 66.0408, 15.9472



14.5193, 14.4249, 15.6689



18.9147, 9.7001, 3.1798



1.4337, 0.7312, 0.4245

Previews

White Background



This preview shows how the XYZ color 21.7535, 17.5733, 74.9185 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 21.7535, 17.5733, 74.9185 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

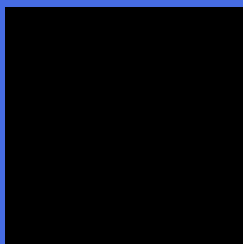
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 21.7535, 17.5733, 74.9185

Background



This preview shows how black text looks on a background with the XYZ color 21.7535, 17.5733, 74.9185.



This preview shows how white text looks on a background with the XYZ color 21.7535, 17.5733,

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

21.7535, 17.5733, 74.9185

Protanopia

20.9111, 17.7152, 77.9185

Deuteranopia

17.6190, 17.4131, 60.8250



Tritanopia

12.3066, 17.2733, 26.7302

Trichromacy



Original Color

21.7535, 17.5733, 74.9185

Protanomaly

21.1863, 17.7104, 77.1647

Deuteranomaly

18.5558, 17.0963, 65.9403

Tritanomaly

14.4940, 16.7837, 40.5059

Monochromacy



Original Color

21.7535, 17.5733, 74.9185

Achromatopsia

14.8208, 15.5926, 16.9804

Achromatomaly

15.9377, 15.6701, 32.3216

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.7535, 17.5733, 74.9185 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(70, 108, 227)` looks like.

```
.text, #text, p{  
    color:rgb(70, 108, 227)  
}
```

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(70, 108, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(70, 108, 227) }
```

Border

The CSS property to change the border of an element to XYZ 21.7535, 17.5733, 74.9185 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(70, 108, 227) }
```


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

```
.border{ border-color:rgb(70, 108, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(70, 108, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(70, 108, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(70, 108, 227);  
box-shadow:4px 4px 4px 4px rgb(70, 108,  
227) }
```

Background

The CSS property to change the background color of an element to XYZ 21.7535, 17.5733, 74.9185 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(70, 108, 227) }
```

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

```
.background{ background-color: rgb(70, 108,  
227) }
```

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