

Converting Colors

XYZ(21.7458, 19.4965, 73.5934)

Have a look what the booklet for
XYZ(21.7458, 19.4965, 73.5934)
contains.

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Color

**XYZ(21.7630, 19.4421,
73.8398)**

Conversions

Conversions Part 1

Format	Color
Hex	3777E1
RGB	55, 119, 225
RGB Percent	22%, 47%, 88%
CMY	0.7843, 0.5333, 0.1176
CMYK	0.76, 0.47, 0.00, 0.12
HSL	217°, 74%, 55%
HSV	217°, 76%, 88%
XYZ	21.7630, 19.4421, 73.8398
YIQ	111.9480, -72.1700, 19.3980

Conversions

Conversions Part 2

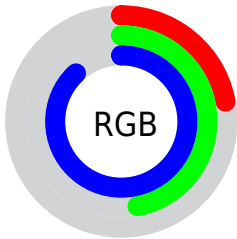
Format	Color
R _Y B	55, 101, 225
Decimal	3635169
CIE Lab	51.20, 16.23, -59.85
CIE LCh	51, 62.013, 285.173
Yxy	19.4421, 0.1892, 0.1690
Android (android.graphics.Color)	4281825249 (0xFF3777E1)
YUV	111.9480, 55.7346, -49.9434
Hunter-Lab	44.0932, 10.9388, -68.4236

Details

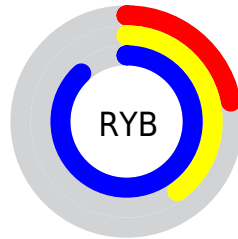
The XYZ color **21.7630, 19.4421, 73.8398** is a dark color, and the websafe version is hex **3366CC**. The color can be described as middle washed azure. A complement of this color would be **44.4887, 41.7782, 9.3353**, and the grayscale version is **15.2443, 16.0382, 17.4656**.

A 20% lighter version of the original color is **40.9251, 40.6309, 100.2933**, and **9.4788, 7.4993, 38.4840** is the 20% darker color. If you saturate the color by 10%, you get **19.2510, 15.8487, 73.2791**, and if you desaturate by 10%, it is **25.0847, 23.8191, 74.5100**.

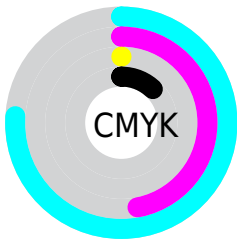
Distribution



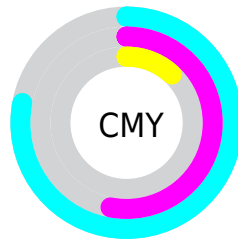
- Red (22%)
- Green (47%)
- Blue (88%)



- Red (22%)
- Yellow (40%)
- Blue (88%)



- Cyan (76%)
- Magenta (47%)
- Yellow (0%)
- Black (12%)



- Cyan (78%)
- Magenta (53%)
- Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.7630, 19.4421, 73.8398 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 21.7630, 19.4421, 73.8398 by changing the saturation by 10% instead.

■ 21.7630, 19.4421,
73.8398

■ 21.7630, 19.4421,
73.8398

253.9618,
248.8786, 493.0689

■ 13.7985, 11.9902,
54.1669

■ 45.8358, 42.4798,
126.4006

■ 8.0614, 6.7370,
38.3411

■ 62.6747, 58.8344,
160.1257

■ 4.1864, 3.2982,
25.9436

■ 83.2025, 78.9253,
199.3719

■ 1.8081, 1.2893,
16.5561

■ 107.7845,
103.1369, 244.5577

■ 0.5226, 0.1329,
9.7599

■ 136.7861,
131.8537, 296.1018

■ 0.0000, 0.0000,
5.1365

170.5726,

■ 0.0000, 0.0000,

165.4600, 354.4227

2.2675

209.5094,
204.3402, 419.9389

■ 0.0000, 0.0000,
0.7129

■ 0.0000, 0.0000,
0.0000

■ 21.7630, 19.4421,
73.8398

■ 21.7630, 19.4421,
73.8398

■ 19.2510, 15.8487,
73.2791

■ 25.0847, 23.8191,
74.5100

■ 17.4519, 12.9727,
72.8188

■ 29.2910, 29.0330,
75.2947

■ 16.8152, 11.8854,
72.6424

■ 34.4507, 35.1334,
76.2003

■ 40.6241, 42.1650,
77.2321

■ 47.8664, 50.1690,
78.3954

■ 56.2288, 59.1840,
79.6947

■ 65.7587, 69.2461,
81.1346

■ 76.5008, 80.3898,
82.7194

■ 87.5665, 92.1679,
84.4095

Harmonies

Analogous

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



15.6054, 19.4421, 73.9624



21.7630, 19.4421, 73.8398



28.2398, 19.4421, 55.3101

Triad

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



21.7630, 19.4421, 73.8398



28.1724, 19.4421, 5.0548



9.2164, 19.4421, 13.6080

Complementary

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



21.7630, 19.4421, 73.8398



44.4887, 41.7782, 9.3353

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.



11.2748, 19.4421, 5.1110



21.7630, 19.4421, 73.8398



21.6857, 19.4421, 2.3793

Square

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



21.7630, 19.4421, 73.8398



32.4640, 19.4421, 13.4604



15.5434, 19.4421, 2.3917



9.2281, 19.4421, 31.3706

Rectangle

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



21.7630, 19.4421, 73.8398



31.4795, 19.4421, 38.8886



15.5434, 19.4421, 2.3917



9.6648, 19.4421, 9.8643

Sweetspot

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



21.7639, 19.4427, 73.8403



66.0884, 69.3674, 104.5138



34.8328, 57.1958, 42.3879



13.3330, 13.9622, 22.2422



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.



21.7639, 19.4427, 73.8403



24.0104, 18.6180, 96.9359



17.8471, 9.6596, 72.1584



13.3727, 14.0845, 17.4014



9.7933, 7.0561, 41.8942



0.7630, 0.6575, 2.9319

Inverse Universe

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



35.7482, 20.0732, 19.4433



44.3762, 23.0031, 16.9384



52.8387, 67.1299, 13.7886



13.9196, 13.7855, 15.3467



18.8834, 9.6204, 6.0518



1.3514, 0.6838, 0.6433

Previews

White Background



This preview shows how the XYZ color 21.7630, 19.4421, 73.8398 looks on a white background.

Color Contrast Check

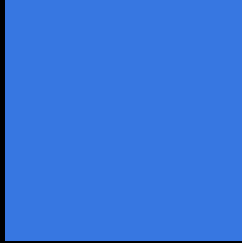
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.7630, 19.4421, 73.8398 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

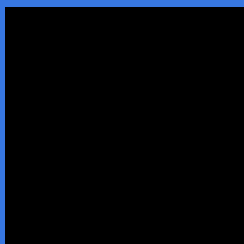
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

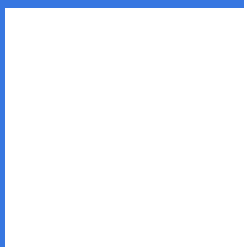
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 21.7630, 19.4421, 73.8398

Background



This preview shows how black text looks on a background with the XYZ color 21.7630, 19.4421, 73.8398.



This preview shows how white text looks on a background with the XYZ color 21.7630, 19.4421,

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

21.7630, 19.4421, 73.8398

Protanopia

22.2477, 19.5320, 73.1185

Deuteranopia

19.8625, 19.4773, 69.0423



Tritanopia

13.6980, 19.3416, 29.3969

Trichromacy



Original Color

21.7630, 19.4421, 73.8398

Protanomaly

21.9829, 19.3954, 73.1061

Deuteranomaly

20.2992, 19.2882, 71.0597

Tritanomaly

15.6816, 18.8664, 42.3502

Monochromacy



Original Color

21.7630, 19.4421, 73.8398

Achromatopsia

15.4009, 16.2029, 17.6450

Achromatomaly

16.1949, 16.7855, 32.5234

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.7630, 19.4421, 73.8398 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(55, 119, 225)` looks like.

```
.text, #text, p{  
    color:rgb(55, 119, 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(55, 119, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(55, 119, 225) }
```

Border

The CSS property to change the border of an element to XYZ 21.7630, 19.4421, 73.8398 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(55, 119, 225) }
```


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

```
.border{ border-color:rgb(55, 119, 225) }
```

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

Here you see how a box with a 4 pixel `rgb(55, 119, 225)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(55, 119, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(55, 119, 225);  
box-shadow:4px 4px 4px 4px rgb(55, 119,  
225) }
```

Background

The CSS property to change the background color of an element to XYZ 21.7630, 19.4421, 73.8398 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(55, 119, 225) }
```

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

```
.background{ background-color: rgb(55, 119,  
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](#).

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