

Converting Colors

XYZ(13.8495, 5.5792, 71.1527)

Have a look what the booklet for
XYZ(13.8495, 5.5792, 71.1527)
contains.

XYZ(13.7854, 5.5524, 70.8662)	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(13.7854, 5.5524,
70.8662)**

Conversions

Conversions Part 1

Format	Color
Hex	1600E0
RGB	22, 0, 224
RGB Percent	9%, 0%, 88%
CMY	0.9136, 1.0000, 0.1216
CMYK	0.90, 1.00, 0.00, 0.12
HSL	246°, 100%, 44%
HSV	246°, 100%, 88%
XYZ	13.7854, 5.5524, 70.8662
YIQ	32.1140, -58.7920, 74.3280

Conversions

Conversions Part 2

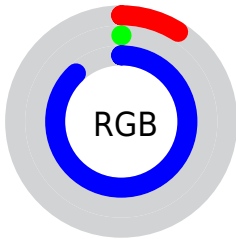
Format	Color
R_{YB}	22, 0, 224
Decimal	1442016
CIE Lab	28.25, 71.95, -97.02
CIE LCh	28, 120.792, 306.561
Yxy	5.5524, 0.1528, 0.0616
Android (android.graphics.Color)	4279632096 (0xFF1600E0)
YUV	32.1140, 94.5998, -8.8700
Hunter-Lab	23.5635, 63.1919, -161.8174

Details

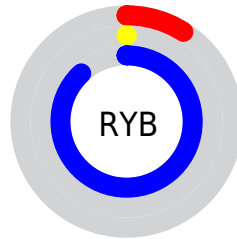
The XYZ color **13.7854, 5.5524, 70.8662** is a dark color, and the websafe version is hex **0000CC**. The color can be described as dark washed blue. A complement of this color would be **51.0048, 65.8639, 10.0248**, and the grayscale version is **1.3197, 1.3885, 1.5120**.

A 20% lighter version of the original color is **27.3933, 15.0162, 96.0624**, and **6.9751, 2.7900, 36.7301** is the 20% darker color. If you saturate the color by 10%, you get **13.7861, 5.5528, 70.8665**, and if you desaturate by 10%, it is **14.7134, 6.4681, 70.9943**.

Distribution



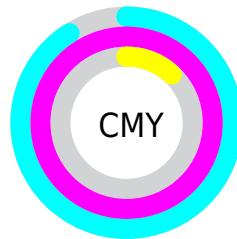
- Red (9%)
- Green (0%)
- Blue (88%)



- Red (9%)
- Yellow (0%)
- Blue (88%)



- Cyan (90%)
- Magenta (100%)
- Yellow (0%)
- Black (12%)



- Cyan (91%)
- Magenta (100%)
- Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.7854, 5.5524, 70.8662 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 13.7854, 5.5524, 70.8662 by changing the saturation by 10% instead.

■ 13.7854, 5.5524,
70.8662

■ 13.7854, 5.5524,
70.8662

209.4291,
155.0268, 482.4566

■ 8.0523, 2.5749,
51.7519

■ 32.2972, 16.9951,
122.1359

■ 4.1805, 0.9141,
36.4264

■ 45.8066, 26.2291,
155.1283

■ 1.8047, 0.0000,
24.4714

■ 62.6388, 38.3174,
193.5838

■ 0.5205, 0.0000,
15.4683

■ 83.1591, 53.6444,
237.9209

■ 0.0000, 0.0000,
8.9984

■ 107.7330, 72.5944,
288.5582


■ 0.0000, 0.0000,
4.6434


■ 136.7257, 95.5519,

■ 0.0000, 0.0000,

345.9142

1.9845


 170.5026,
122.9012, 410.4075


 0.0000, 0.0000,
0.5457

 0.0000, 0.0000,
0.0000


 13.7854, 5.5524,
70.8662


 13.7854, 5.5524,
70.8662

 13.7861, 5.5528,
70.8665

 14.7134, 6.4681,
70.9943

 16.3987, 8.2813,
71.2554

 19.0076, 11.2418,
71.6894

 22.6498, 15.4997,
72.3193

■ 27.4194, 21.1823,
73.1647

■ 33.3996, 28.4015,
74.2430

■ 40.6660, 37.2581,
75.5695

■ 49.2879, 47.8442,
77.1584

■ 59.3295, 60.2452,
79.0228

Harmonies

Analogous

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



6.5078, 5.5524, 102.9522



13.7854, 5.5524, 70.8662



20.8550, 5.5524, 26.1690

Triad

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



13.7854, 5.5524, 70.8662



10.3543, 5.5524, 0.0000



0.0435, 5.5524, 9.9554

Complementary

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



13.7854, 5.5524, 70.8662



51.0048, 65.8639, 10.0248

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.



0.2675, 5.5524, 0.0465



13.7854, 5.5524, 70.8662



4.2128, 5.5524, 0.0000

Square

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



13.7854, 5.5524, 70.8662



18.1208, 5.5524, 0.0000



1.2748, 5.5524, 0.0000



0.6045, 5.5524, 44.3481

Rectangle

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



13.7854, 5.5524, 70.8662



22.9438, 5.5524, 7.9369



1.2748, 5.5524, 0.0000



0.0295, 5.5524, 4.4815

Sweetspot

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



13.7861, 5.5528, 70.8665



54.3255, 49.7022, 101.3380



35.3658, 49.2043, 78.1547



10.6989, 9.5037, 21.5204



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.



13.7861, 5.5528, 70.8665



18.4529, 7.4277, 95.0689



22.7632, 10.1806, 71.2866



13.0765, 13.3075, 17.2671



8.0682, 3.2546, 41.2513



0.6025, 0.2479, 2.8613

Inverse Universe

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



41.3977, 20.1102, 57.5584



55.5118, 26.9687, 77.0845



31.2038, 55.6561, 9.0981



14.2339, 13.9112, 17.0017



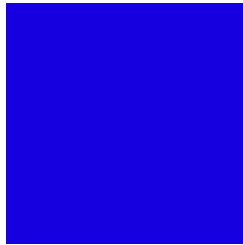
24.1205, 11.7152, 33.6298



1.6890, 0.8189, 2.4210

Previews

White Background



This preview shows how the XYZ color 13.7854, 5.5524, 70.8662 looks on a white background.

Color Contrast Check

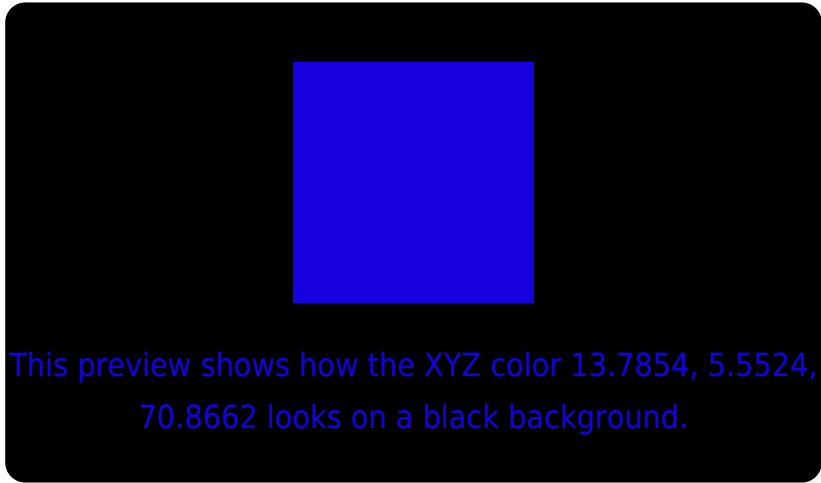
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 13.7854, 5.5524, 70.8662

Background



This preview shows how black text looks on a background with the XYZ color 13.7854, 5.5524, 70.8662.



This preview shows how white text looks on a background with the XYZ color 13.7854, 5.5524,

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

13.7854, 5.5524, 70.8662

Protanopia

6.5357, 5.7314, 24.8066

Deuteranopia

5.4641, 5.7908, 17.6594



Tritanopia

3.9957, 5.7334, 8.2932

Trichromacy



Original Color

13.7854, 5.5524, 70.8662

Protanomaly

8.0895, 4.5721, 37.9923

Deuteranomaly

7.0393, 4.3287, 31.9170

Tritanomaly

5.3219, 3.8315, 22.2888

Monochromacy



Original Color

13.7854, 5.5524, 70.8662

Achromatopsia

1.3729, 1.4444, 1.5729

Achromatomaly

3.1273, 1.7065, 12.7349

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.7854, 5.5524, 70.8662 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(22, 0, 224)` looks like.

```
.text, #text, p{  
    color:rgb(22, 0, 224)  
}
```

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(22, 0, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(22, 0, 224) }
```

Border

The CSS property to change the border of an element to XYZ 13.7854, 5.5524, 70.8662 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(22, 0, 224) }
```


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

```
.border{ border-color:rgb(22, 0, 224) }
```

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

Here you see how a box with a 4 pixel rgb(22, 0, 224) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(22, 0, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(22, 0, 224);  
box-shadow:4px 4px 4px 4px rgb(22, 0, 224)  
}
```

Background

The CSS property to change the background color of an element to XYZ 13.7854, 5.5524, 70.8662 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(22, 0, 224) }
```

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

```
.background{ background-color: rgb(22, 0,  
224) }
```

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