

Converting Colors

XYZ(21.9012, 18.5340, 75.0594)

Have a look what the booklet for
XYZ(21.9012, 18.5340, 75.0594)
contains.

XYZ(21.8846, 18.4463, 75.0801)	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(21.8846, 18.4463,
75.0801)**

Conversions

Conversions Part 1

Format	Color
Hex	4071E3
RGB	64, 113, 227
RGB Percent	25%, 44%, 89%
CMY	0.7490, 0.5569, 0.1098
CMYK	0.72, 0.50, 0.00, 0.11
HSL	222°, 74%, 57%
HSV	222°, 72%, 89%
XYZ	21.8846, 18.4463, 75.0801
YIQ	111.3450, -65.7980, 25.0660

Conversions

Conversions Part 2

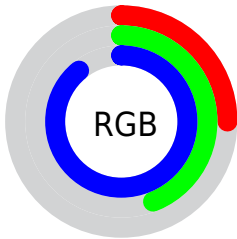
Format	Color
R _{YB}	64, 102, 227
Decimal	4223459
CIE _{Lab}	50.03, 21.83, -62.84
CIE _{LCh}	50, 66.527, 289.158
Y _{xy}	18.4463, 0.1896, 0.1598
Android (android.graphics.Color)	4282413539 (0xFF4071E3)
YUV	111.3450, 57.0179, -41.5216
Hunter-Lab	42.9492, 15.7931, -73.5814

Details

The XYZ color **21.8846, 18.4463, 75.0801** 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 **48.5270, 48.5464, 11.6648**, and the grayscale version is **15.0639, 15.8484, 17.2589**.

A 20% lighter version of the original color is **40.6855, 38.5962, 99.9132**, and **9.2989, 6.8367, 39.3576** is the 20% darker color. If you saturate the color by 10%, you get **19.0782, 14.5961, 74.4853**, and if you desaturate by 10%, it is **25.6029, 23.2267, 75.8073**.

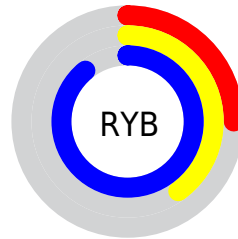
Distribution



Red (25%)

Green (44%)

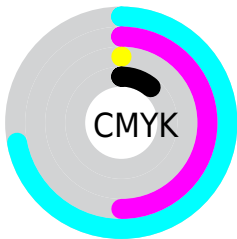
Blue (89%)



Red (25%)

Yellow (40%)

Blue (89%)

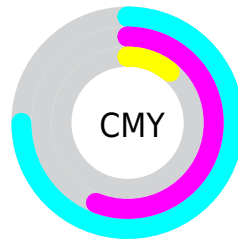


Cyan (72%)

Magenta (50%)

Yellow (0%)

Black (11%)



Cyan (75%)

Magenta (56%)

Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.8846, 18.4463, 75.0801 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 21.8846, 18.4463, 75.0801 by changing the saturation by 10% instead.

■ 21.8846, 18.4463,
75.0801

■ 21.8846, 18.4463,
75.0801

254.5867,
243.3747, 497.4556

■ 13.8883, 11.2709,
55.1764

■ 46.0355, 40.7964,
128.1739

■ 8.1242, 6.2493,
39.1434

■ 62.9207, 56.7398,
162.2010

■ 4.2270, 2.9973,
26.5626

■ 83.4996, 76.3747,
201.7731

■ 1.8313, 1.1303,
17.0155

■ 108.1376,
100.0854, 247.3085

■ 0.5364, 0.0037,
10.0835

137.1999,
128.2564, 299.2260

■ 0.0000, 0.0000,
5.3480

171.0520,

■ 0.0000, 0.0000,

161.2720, 357.9440

2.3906

210.0591,
199.5166, 423.8810

■ 0.0000, 0.0000,
0.7813

■ 0.0000, 0.0000,
0.0000

■ 21.8846, 18.4463,
75.0801

■ 21.8846, 18.4463,
75.0801

■ 19.0782, 14.5961,
74.4853

■ 25.6029, 23.2267,
75.8073

■ 17.0870, 11.6022,
74.0124

■ 30.3105, 28.9994,
76.6734

■ 15.9462, 9.7081,
73.7069

■ 36.0789, 35.8218,
77.6862

■ 42.9719, 43.7466,
78.8526

■ 51.0479, 52.8224,
80.1787

■ 60.3612, 63.0948,
81.6706

■ 70.9627, 74.6068,
83.3339

■ 82.9003, 87.3992,
85.1739

■ 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.



15.3203, 18.4463, 78.3082



21.8846, 18.4463, 75.0801



28.5748, 18.4463, 53.0309

Triad

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



21.8846, 18.4463, 75.0801



26.8642, 18.4463, 3.4884



8.0179, 18.4463, 14.1632

Complementary

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



21.8846, 18.4463, 75.0801



48.5270, 48.5464, 11.6648

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.



9.7797, 18.4463, 4.7373



21.8846, 18.4463, 75.0801



19.9484, 18.4463, 1.5537

Square

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



21.8846, 18.4463, 75.0801



31.8986, 18.4463, 10.6043



13.7997, 18.4463, 1.8062



8.2949, 18.4463, 33.9970

Rectangle

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



21.8846, 18.4463, 75.0801



31.7147, 18.4463, 35.3970



13.7997, 18.4463, 1.8062



8.3701, 18.4463, 9.9817

Sweetspot

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



21.8855, 18.4468, 75.0806



66.0716, 68.3383, 104.3160



37.3603, 59.1392, 50.2030



13.4975, 13.9075, 22.2230



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.



21.8855, 18.4468, 75.0806



23.4807, 17.0169, 96.6548



20.3043, 11.5881, 73.8401



13.9342, 14.5898, 18.2260



9.3892, 5.8405, 43.0156



0.7730, 0.5900, 3.2051

Inverse Universe

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



36.4934, 21.1913, 17.7899



44.2411, 23.4554, 14.6661



51.4521, 67.1952, 15.1103



14.5544, 14.4389, 15.8538



19.1327, 9.7873, 4.3280



1.4538, 0.7392, 0.5304

Previews

White Background



This preview shows how the XYZ color 21.8846, 18.4463, 75.0801 looks on a white background.

Color Contrast Check

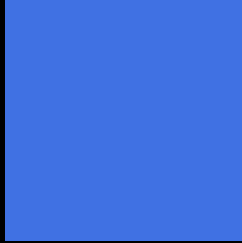
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.8846, 18.4463, 75.0801 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

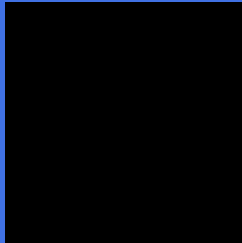
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

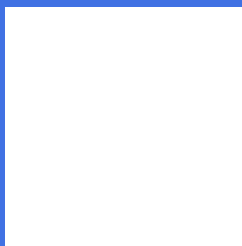
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 21.8846, 18.4463, 75.0801

Background



This preview shows how black text looks on a background with the XYZ color 21.8846, 18.4463, 75.0801.



This preview shows how white text looks on a background with the XYZ color 21.8846, 18.4463,

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

21.8846, 18.4463, 75.0801

Protanopia

21.5254, 18.3956, 76.5449

Deuteranopia

18.5952, 18.3779, 64.1952



Tritanopia

12.9240, 18.1557, 28.0225

Trichromacy



Original Color

21.8846, 18.4463, 75.0801

Protanomaly

21.6518, 18.4768, 75.8240

Deuteranomaly

19.3562, 18.1488, 68.1285

Tritanomaly

15.0074, 17.5760, 41.6313

Monochromacy



Original Color

21.8846, 18.4463, 75.0801

Achromatopsia

15.1092, 15.8961, 17.3108

Achromatomaly

16.1600, 16.2679, 32.4253

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.8846, 18.4463, 75.0801 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(64, 113, 227)` looks like.

```
.text, #text, p{  
    color:rgb(64, 113, 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(64, 113, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(64, 113, 227) }
```

Border

The CSS property to change the border of an element to XYZ 21.8846, 18.4463, 75.0801 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(64, 113, 227) }
```


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

```
.border{ border-color:rgb(64, 113, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(64, 113, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(64, 113, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(64, 113, 227);  
box-shadow:4px 4px 4px 4px rgb(64, 113,  
227) }
```

Background

The CSS property to change the background color of an element to XYZ 21.8846, 18.4463, 75.0801 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(64, 113, 227) }
```

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

```
.background{ background-color: rgb(64, 113,  
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