

Converting Colors

XYZ(30.9769, 21.5546, 76.1129)

Have a look what the booklet for
XYZ(30.9769, 21.5546, 76.1129)
contains.

XYZ(30.8865, 21.5050, 75.9218)	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(30.8865, 21.5050,
75.9218)**

Conversions

Conversions Part 1

Format	Color
Hex	9367E4
RGB	147, 103, 228
RGB Percent	58%, 40%, 89%
CMY	0.4235, 0.5961, 0.1059
CMYK	0.36, 0.55, 0.00, 0.11
HSL	261°, 70%, 65%
HSV	261°, 55%, 89%
XYZ	30.8865, 21.5050, 75.9218
YIQ	130.4060, -13.9010, 48.2030

Conversions

Conversions Part 2

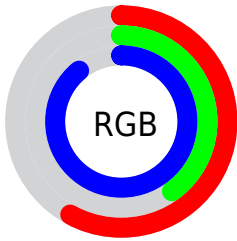
Format	Color
R _Y B	147, 103, 228
Decimal	9660388
CIE Lab	53.50, 44.19, -57.53
CIE LCh	53, 72.542, 307.533
Yxy	21.5050, 0.2407, 0.1676
Android (android.graphics.Color)	4287850468 (0xFF9367E4)
YUV	130.4060, 48.1138, 14.5529
Hunter-Lab	46.3735, 37.7342, -64.6070

Details

The XYZ color **30.8865, 21.5050, 75.9218** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **49.9588, 66.6567, 23.0654**, and the grayscale version is **21.2010, 22.3051, 24.2902**.

A 20% lighter version of the original color is **54.9482, 43.6418, 100.1354**, and **13.0799, 7.8410, 39.8538** is the 20% darker color. If you saturate the color by 10%, you get **26.4388, 16.2925, 75.1505**, and if you desaturate by 10%, it is **36.2944, 28.1308, 76.9161**.

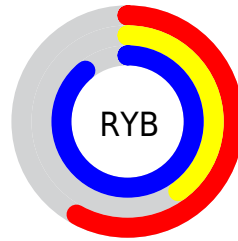
Distribution



Red (58%)

Green (40%)

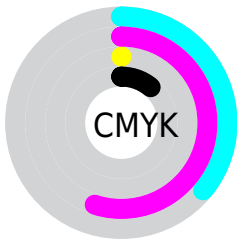
Blue (89%)



Red (58%)

Yellow (40%)

Blue (89%)

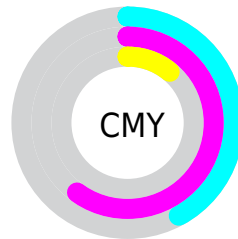


Cyan (36%)

Magenta (55%)

Yellow (0%)

Black (11%)



Cyan (42%)

Magenta (60%)

Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.8865, 21.5050, 75.9218 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 30.8865, 21.5050, 75.9218 by changing the saturation by 10% instead.

■ 30.8865, 21.5050,
75.9218

■ 30.8865, 21.5050,
75.9218

297.8513,
259.9502, 500.4197

■ 20.6638, 13.4936,
55.8621

■ 60.4384, 45.9265,
129.3754

■ 12.9896, 7.7693,
39.6891

■ 80.4983, 63.1054,
163.6065

■ 7.4983, 3.9477,
26.9843

■ 104.5681, 84.1090,
203.3984

■ 3.8247, 1.6444,
17.3291

■ 133.0130,
109.3216, 249.1697

■ 1.6035, 0.3872,
10.3050

166.1984,
139.1276, 301.3389

■ 0.3947, 0.0000,
5.4934

204.4897,

■ 0.0000, 0.0000,

173.9115, 360.3246

2.4758

248.2522,
214.0576, 426.5454

■ 0.0000, 0.0000,
0.8273

■ 0.0000, 0.0000,
0.0000

■ 30.8865, 21.5050,
75.9218

■ 30.8865, 21.5050,
75.9218

■ 26.4388, 16.2925,
75.1505

■ 36.2944, 28.1308,
76.9161

■ 22.8843, 12.3812,
74.5829

■ 42.7178, 36.2653,
78.1477

■ 20.1501, 9.6450,
74.1989

■ 50.2106, 45.9982,
79.6314

■ 18.1485, 7.9298,
73.9733

■ 58.8219, 57.4113,
81.3805

■ 17.3340, 7.3183,
73.8982

■ 68.5976, 70.5808,
83.4072

■ 79.5809, 85.5780,
85.7231

■ 89.3394, 97.5235,
87.5145

■ 91.0037, 98.3815,
87.5924

Harmonies

Analogous

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



22.4489, 21.5050, 95.9421



30.8865, 21.5050, 75.9218



37.4620, 21.5050, 43.7176

Triad

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



30.8865, 21.5050, 75.9218



26.6560, 21.5050, 2.0020



8.9700, 21.5050, 29.4443

Complementary

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



30.8865, 21.5050, 75.9218



49.9588, 66.6567, 23.0654

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.



9.5594, 21.5050, 10.6332



30.8865, 21.5050, 75.9218



18.5544, 21.5050, 1.4965

Square

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



30.8865, 21.5050, 75.9218



34.6216, 21.5050, 5.8878



12.6624, 21.5050, 3.2906



10.7808, 21.5050, 60.0538

Rectangle

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



30.8865, 21.5050, 75.9218



39.1542, 21.5050, 25.2943



12.6624, 21.5050, 3.2906



8.9041, 21.5050, 21.6317

Sweetspot

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



30.8874, 21.5058, 75.9223



74.3208, 72.0005, 104.5881



36.7901, 42.8706, 79.7350



15.3981, 14.7325, 22.2820



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.



30.8874, 21.5058, 75.9223



33.2782, 20.0938, 96.7323



45.2197, 28.8943, 76.5931



14.0591, 14.1327, 18.1312



10.1256, 4.2858, 42.6767



0.8461, 0.3672, 3.1582

Inverse Universe

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



45.4972, 29.6556, 48.6730



54.5599, 32.0023, 55.3802



38.1828, 60.5859, 22.5143



14.7684, 14.5245, 16.9807



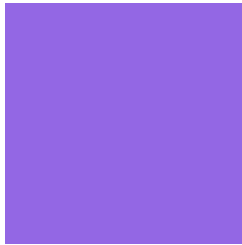
21.6080, 10.7774, 17.3623



1.6404, 0.8139, 1.5129

Previews

White Background



This preview shows how the XYZ color 30.8865, 21.5050, 75.9218 looks on a white background.

Color Contrast Check

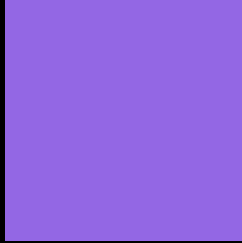
Large Text (above 18pt) WCAG AA ✓ Pass

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 30.8865, 21.5050, 75.9218 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

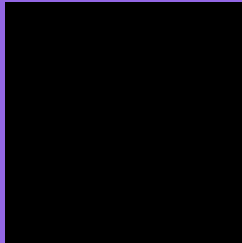
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 30.8865, 21.5050, 75.9218

Background



This preview shows how black text looks on a background with the XYZ color 30.8865, 21.5050, 75.9218.



This preview shows how white text looks on a background with the XYZ color 30.8865, 21.5050,

75.9218.

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

30.8865, 21.5050, 75.9218

Protanopia

25.7227, 21.9849, 92.5103

Deuteranopia

22.4003, 21.6782, 72.1109



Tritanopia

21.0068, 21.5741, 26.7239

Trichromacy



Original Color

30.8865, 21.5050, 75.9218



Protanomaly

26.0531, 20.8679, 85.8738



Deuteranomaly

24.0088, 20.7932, 73.2691



Tritanomaly

23.7258, 21.0100, 40.8351

Monochromacy



Original Color

30.8865, 21.5050, 75.9218



Achromatopsia

21.2178, 22.3228, 24.3095



Achromatomaly

23.7527, 21.4204, 38.9590

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.8865, 21.5050, 75.9218 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(147, 103, 228)` looks like.

```
.text, #text, p{  
    color:rgb(147, 103, 228)  
}
```

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(147, 103, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 103, 228) }
```

Border

The CSS property to change the border of an element to XYZ 30.8865, 21.5050, 75.9218 is called "border". The border property can be set on classes, ids or directly on the HTML element.

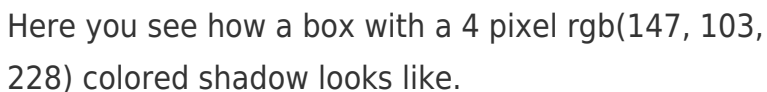
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(147, 103, 228) }
```


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

```
.border{ border-color:rgb(147, 103, 228) }
```

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



Here you see how a box with a 4 pixel `rgb(147, 103, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(147, 103, 228); -webkit-box-shadow:4px 4px 4px 4px rgb(147, 103, 228); box-shadow:4px 4px 4px 4px rgb(147, 103, 228) }
```

Background

The CSS property to change the background color of an element to XYZ 30.8865, 21.5050, 75.9218 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 103, 228) }
```

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

```
.background{ background-color: rgb(147,  
103, 228) }
```

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