

Converting Colors

XYZ(21.8530, 16.5222, 61.3428)

Have a look what the booklet for
XYZ(21.8530, 16.5222, 61.3428)
contains.

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Color

**XYZ(21.7877, 16.5545,
61.0785)**

Conversions

Conversions Part 1

Format	Color
Hex	6B63CF
RGB	107, 99, 207
RGB Percent	42%, 39%, 81%
CMY	0.5804, 0.6118, 0.1882
CMYK	0.48, 0.52, 0.00, 0.19
HSL	244°, 53%, 60%
HSV	244°, 52%, 81%
XYZ	21.7877, 16.5545, 61.0785
YIQ	113.7040, -29.9000, 35.2840

Conversions

Conversions Part 2

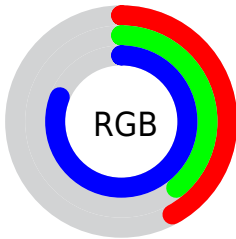
Format	Color
R_{YB}	107, 99, 207
Decimal	7037903
CIE _{Lab}	47.69, 31.46, -55.13
CIE _{LCh}	48, 63.475, 299.714
Yxy	16.5545, 0.2191, 0.1665
Android (android.graphics.Color)	4285227983 (0xFF6B63CF)
YUV	113.7040, 45.9949, -5.8794
Hunter-Lab	40.6872, 24.3828, -60.5234

Details

The XYZ color **21.7877, 16.5545, 61.0785** is a dark color, and the websafe version is hex **6666CC**. A complement of this color would be **48.1178, 57.6687, 20.3998**, and the grayscale version is **15.7796, 16.6014, 18.0789**.

A 20% lighter version of the original color is **44.2662, 36.9252, 99.4019**, and **8.0678, 5.3273, 30.3088** is the 20% darker color. If you saturate the color by 10%, you get **18.0176, 12.0635, 60.4107**, and if you desaturate by 10%, it is **26.5725, 22.3149, 61.9385**.

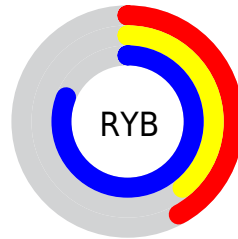
Distribution



Red (42%)

Green (39%)

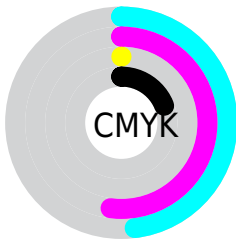
Blue (81%)



Red (42%)

Yellow (39%)

Blue (81%)

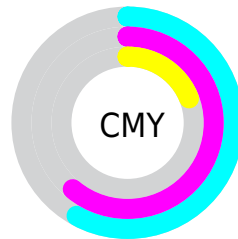


Cyan (48%)

Magenta (52%)

Yellow (0%)

Black (19%)



Cyan (58%)

Magenta (61%)

Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.7877, 16.5545, 61.0785 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 21.7877, 16.5545, 61.0785 by changing the saturation by 10% instead.

■ 21.7877, 16.5545,
61.0785

■ 21.7877, 16.5545,
61.0785

254.0888,
232.5918, 446.4763

■ 13.8167, 9.9174,
43.8576

■ 45.8763, 37.5582,
107.9512

■ 8.0741, 5.3442,
30.2222

■ 62.7247, 52.6936,
138.4401

■ 4.1946, 2.4506,
19.7538

■ 83.2629, 71.4305,
174.1887

■ 1.8128, 0.8517,
12.0339

■ 107.8563, 94.1533,
215.6155

■ 0.5254, 0.0000,
6.6440

136.8702,
121.2465, 263.1392

■ 0.0000, 0.0000,
3.1654

170.6700,

■ 0.0000, 0.0000,

153.0943, 317.1781

1.1797

209.6211,
190.0813, 378.1510

■ 0.0000, 0.0000,
0.0000

■ 21.7877, 16.5545,
61.0785

■ 21.7877, 16.5545,
61.0785

■ 18.0176, 12.0635,
60.4107

■ 26.5725, 22.3149,
61.9385

■ 15.1866, 8.7443,
59.9193

■ 32.4359, 29.4291,
63.0027

■ 13.2122, 6.4876,
59.5877

■ 39.4390, 37.9764,
64.2834

■ 11.9962, 5.1627,
59.3961

■ 47.6379, 48.0293,
65.7916

■ 11.4651, 4.6094,
59.3173

■ 57.0848, 59.6553,
67.5378

■ 67.8288, 72.9181,
69.5315

■ 79.9166, 87.8777,
71.7819

■ 88.2626, 97.2850,
73.1578

Harmonies

Analogous

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



15.6801, 16.5545, 70.8263



21.7877, 16.5545, 61.0785



27.1653, 16.5545, 38.8290

Triad

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



21.7877, 16.5545, 61.0785



21.9051, 16.5545, 2.2651



7.1498, 16.5545, 17.8695

Complementary

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



21.7877, 16.5545, 61.0785



48.1178, 57.6687, 20.3998

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.



8.0668, 16.5545, 6.4106



21.7877, 16.5545, 61.0785



15.7891, 16.5545, 1.3546

Square

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



21.7877, 16.5545, 61.0785



27.2438, 16.5545, 6.5472



10.9213, 16.5545, 2.2262



8.0319, 16.5545, 38.3800

Rectangle

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



21.7877, 16.5545, 61.0785



29.1007, 16.5545, 24.2020



10.9213, 16.5545, 2.2262



7.2539, 16.5545, 13.0002

Sweetspot

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



21.7884, 16.5550, 61.0789



70.8289, 70.2004, 104.4247



37.0164, 48.3740, 66.4180



14.5750, 14.3082, 22.2435



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.



21.7884, 16.5550, 61.0789



28.0580, 18.3675, 96.6742



30.2620, 20.9233, 61.4755



11.2437, 11.4589, 14.8628



7.2542, 2.9199, 37.3738



0.4346, 0.1782, 2.0911

Inverse Universe

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



40.5029, 26.3129, 56.9758



61.4661, 35.8047, 88.5416



36.3839, 51.6196, 19.8507



12.2714, 11.9933, 14.7051



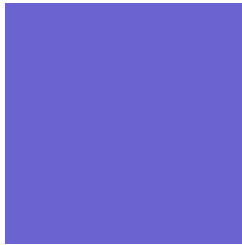
22.1987, 10.7523, 32.2822



1.2528, 0.6058, 1.8658

Previews

White Background



This preview shows how the XYZ color 21.7877, 16.5545, 61.0785 looks on a white background.

Color Contrast Check

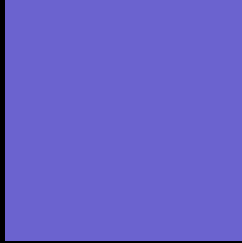
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.7877, 16.5545, 61.0785 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

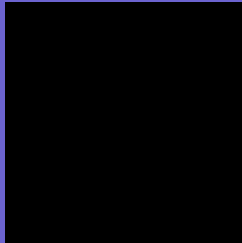
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 21.7877, 16.5545, 61.0785

Background



This preview shows how black text looks on a background with the XYZ color 21.7877, 16.5545, 61.0785.



This preview shows how white text looks on a background with the XYZ color 21.7877, 16.5545,

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

21.7877, 16.5545, 61.0785

Protanopia

19.4389, 16.6773, 68.5242

Deuteranopia

17.1072, 16.6748, 58.8168



Tritanopia

14.1493, 16.6370, 22.8876

Trichromacy



Original Color

21.7877, 16.5545, 61.0785

Protanomaly

19.7877, 16.2978, 65.7212

Deuteranomaly

17.5866, 15.9253, 59.2737

Tritanomaly

16.2936, 16.2980, 34.1853

Monochromacy



Original Color

21.7877, 16.5545, 61.0785

Achromatopsia

15.9940, 16.8269, 18.3245

Achromatomaly

17.3695, 16.4549, 30.2776

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.7877, 16.5545, 61.0785 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(107, 99, 207)` looks like.

```
.text, #text, p{  
    color:rgb(107, 99, 207)  
}
```

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(107, 99, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 99, 207) }
```

Border

The CSS property to change the border of an element to XYZ 21.7877, 16.5545, 61.0785 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(107, 99, 207) }
```


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

```
.border{ border-color:rgb(107, 99, 207) }
```

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

Here you see how a box with a 4 pixel `rgb(107, 99, 207)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(107, 99, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(107, 99, 207);  
box-shadow:4px 4px 4px 4px rgb(107, 99,  
207) }
```

Background

The CSS property to change the background color of an element to XYZ 21.7877, 16.5545, 61.0785 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 99, 207) }
```

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

```
.background{ background-color: rgb(107, 99,  
207) }
```

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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