

Converting Colors

XYZ(21.3991, 16.7850, 67.7576)

Have a look what the booklet for
XYZ(21.3991, 16.7850, 67.7576)
contains.

XYZ(21.3991, 16.7850, 67.7576)	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(21.3991, 16.7850,
67.7576)**

Conversions

Conversions Part 1

Format	Color
Hex	5867D9
RGB	88, 103, 217
RGB Percent	35%, 40%, 85%
CMY	0.6549, 0.5961, 0.1490
CMYK	0.59, 0.53, 0.00, 0.15
HSL	233°, 63%, 60%
HSV	233°, 59%, 85%
XYZ	21.3991, 16.7850, 67.7576
YIQ	111.5110, -45.5340, 32.2740

Conversions

Conversions Part 2

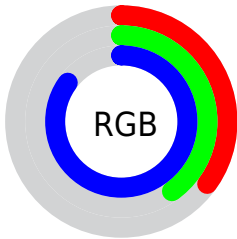
Format	Color
R _Y B	88, 101, 217
Decimal	5793753
CIE Lab	47.99, 28.36, -60.43
CIE LCh	48, 66.752, 295.145
Yxy	16.7850, 0.2020, 0.1584
Android (android.graphics.Color)	4283983833 (0xFF5867D9)
YUV	111.5110, 52.0061, -20.6191
Hunter-Lab	40.9695, 21.5371, -69.3784

Details

The XYZ color **21.3991, 16.7850, 67.7576** is a dark color, and the websafe version is hex **6666CC**. The color can be described as middle muted azure. A complement of this color would be **51.4989, 57.7000, 17.6567**, and the grayscale version is **15.1216, 15.9091, 17.3250**.

A 20% lighter version of the original color is **41.8183, 36.6271, 99.4734**, and **7.8962, 5.4995, 34.3635** is the 20% darker color. If you saturate the color by 10%, you get **17.9485, 12.4920, 67.1112**, and if you desaturate by 10%, it is **25.8998, 22.2689, 68.5793**.

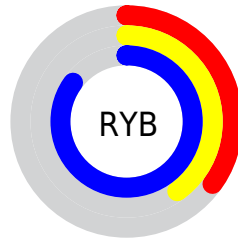
Distribution



Red (35%)

Green (40%)

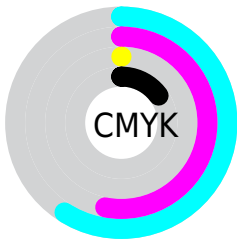
Blue (85%)



Red (35%)

Yellow (40%)

Blue (85%)

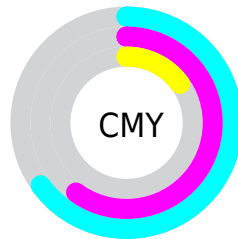


Cyan (59%)

Magenta (53%)

Yellow (0%)

Black (15%)



Cyan (65%)

Magenta (60%)

Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.3991, 16.7850, 67.7576 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 21.3991, 16.7850, 67.7576 by changing the saturation by 10% instead.

■ 21.3991, 16.7850,
67.7576

■ 21.3991, 16.7850,
67.7576

252.0837,
233.9303, 471.2114

■ 13.5302, 10.0813,
49.2351

■ 45.2371, 37.9557,
117.6562

■ 7.8741, 5.4529,
34.4391

■ 61.9369, 53.1916,
149.8695

■ 4.0656, 2.5154,
22.9510

■ 82.3110, 72.0403,
187.4833

■ 1.7393, 0.8843,
14.3524

■ 106.7247, 94.8862,
230.9164

■ 0.4807, 0.0000,
8.2246

135.5435,
122.1138, 280.5872

■ 0.0000, 0.0000,
4.1492

169.1327,

■ 0.0000, 0.0000,

154.1074, 336.9143

1.7075

207.8577,
191.2515, 400.3162

■ 0.0000, 0.0000,
0.3659

■ 0.0000, 0.0000,
0.0000

■ 21.3991, 16.7850,
67.7576

■ 21.3991, 16.7850,
67.7576

■ 17.9485, 12.4920,
67.1112

■ 25.8998, 22.2689,
68.5793

■ 15.4594, 9.2989,
66.6261

■ 31.5250, 29.0225,
69.5864

■ 13.8320, 7.1036,
66.2881

■ 38.3449, 37.1194,
70.7898

■ 12.9154, 5.7693,
66.0789

■ 46.4231, 46.6273,
72.1992

■ 12.8769, 5.7147,
66.0704

■ 55.8191, 57.6091,
73.8237

■ 66.5881, 70.1241,
75.6717

■ 78.7826, 84.2281,
77.7514

■ 89.5245, 97.7898,
79.8029

Harmonies

Analogous

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



14.9932, 16.7850, 75.2645



21.3991, 16.7850, 67.7576



27.4718, 16.7850, 44.5465

Triad

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



21.3991, 16.7850, 67.7576



23.5314, 16.7850, 2.3327



6.9714, 16.7850, 15.6097

Complementary

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



21.3991, 16.7850, 67.7576



51.4989, 57.7000, 17.6567

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.



8.2111, 16.7850, 5.1172



21.3991, 16.7850, 67.7576



16.9542, 16.7850, 1.1445

Square

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



21.3991, 16.7850, 67.7576



28.9044, 16.7850, 7.4934



11.5205, 16.7850, 1.6909



7.5974, 16.7850, 36.3067

Rectangle

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



21.3991, 16.7850, 67.7576



29.9734, 16.7850, 28.1684



11.5205, 16.7850, 1.6909



7.1723, 16.7850, 11.0222

Sweetspot

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



21.3999, 16.7855, 67.7580



68.5298, 69.1039, 104.3342



39.4929, 55.9629, 64.5672



13.8799, 13.8665, 22.1949



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.



21.3999, 16.7855, 67.7580



24.9621, 16.8577, 96.5459



26.4057, 17.3470, 67.6026



12.4600, 12.8597, 16.4776



7.8345, 3.5385, 40.0085



0.5491, 0.3123, 2.6058

Inverse Universe

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



34.5539, 22.7115, 15.3948



45.7508, 26.9770, 13.6214



42.6280, 58.6065, 18.2992



13.1173, 13.0760, 13.8789



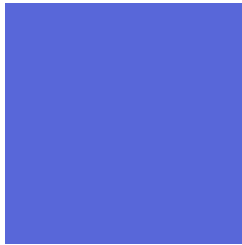
17.4498, 8.9810, 1.4830



1.1514, 0.5902, 0.2065

Previews

White Background



This preview shows how the XYZ color 21.3991, 16.7850, 67.7576 looks on a white background.

Color Contrast Check

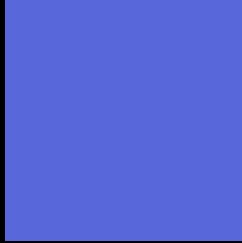
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.3991, 16.7850, 67.7576 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 21.3991, 16.7850, 67.7576

Background



This preview shows how black text looks on a background with the XYZ color 21.3991, 16.7850, 67.7576.



This preview shows how white text looks on a background with the XYZ color 21.3991, 16.7850,

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

21.3991, 16.7850, 67.7576

Protanopia

19.9055, 16.9848, 72.7503

Deuteranopia

17.0249, 16.8026, 58.8458



Tritanopia

12.8760, 16.8403, 25.1261

Trichromacy



Original Color

21.3991, 16.7850, 67.7576

Protanomaly

19.9962, 16.6057, 70.5579

Deuteranomaly

17.6653, 16.2300, 61.8762

Tritanomaly

15.0606, 16.2611, 37.4669

Monochromacy



Original Color

21.3991, 16.7850, 67.7576

Achromatopsia

15.4009, 16.2029, 17.6450

Achromatomaly

16.5672, 16.0229, 31.0737

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.3991, 16.7850, 67.7576 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(88, 103, 217)` looks like.

```
.text, #text, p{  
    color:rgb(88, 103, 217)  
}
```

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(88, 103, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(88, 103, 217) }
```

Border

The CSS property to change the border of an element to XYZ 21.3991, 16.7850, 67.7576 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(88, 103, 217) }
```


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

```
.border{ border-color:rgb(88, 103, 217) }
```

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

Here you see how a box with a 4 pixel `rgb(88, 103, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(88, 103, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(88, 103, 217);  
box-shadow:4px 4px 4px 4px rgb(88, 103,  
217) }
```

Background

The CSS property to change the background color of an element to XYZ 21.3991, 16.7850, 67.7576 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(88, 103, 217) }
```

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

```
.background{ background-color: rgb(88, 103,  
217) }
```

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