

Converting Colors

XYZ(21.9068, 11.9528, 66.0802)

Have a look what the booklet for
XYZ(21.9068, 11.9528, 66.0802)
contains.

XYZ(21.9772, 11.9972, 66.1231)	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(21.9772, 11.9972,
66.1231)**

Conversions

Conversions Part 1

Format	Color
Hex	7B38D8
RGB	123, 56, 216
RGB Percent	48%, 22%, 85%
CMY	0.5176, 0.7804, 0.1529
CMYK	0.43, 0.74, 0.00, 0.15
HSL	265°, 67%, 53%
HSV	265°, 74%, 85%
XYZ	21.9772, 11.9972, 66.1231
YIQ	94.2730, -11.4280, 63.9640

Conversions

Conversions Part 2

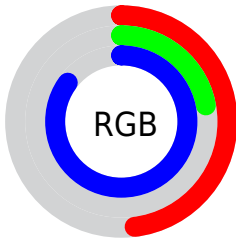
Format	Color
R_{YB}	123, 56, 216
Decimal	8075480
CIE _{Lab}	41.21, 60.29, -70.73
CIE _{LCh}	41, 92.934, 310.444
Yxy	11.9972, 0.2196, 0.1199
Android (android.graphics.Color)	4286265560 (0xFF7B38D8)
YUV	94.2730, 60.0114, 25.1936
Hunter-Lab	34.6370, 52.6437, -88.9406

Details

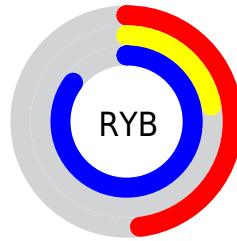
The XYZ color **21.9772, 11.9972, 66.1231** is a dark color, and the websafe version is hex **6633CC**. The color can be described as dark muted purple. A complement of this color would be **37.6638, 55.7868, 12.5243**, and the grayscale version is **10.5688, 11.1192, 12.1088**.

A 20% lighter version of the original color is **42.8100, 28.1024, 97.7757**, and **8.3318, 3.5622, 33.5061** is the 20% darker color. If you saturate the color by 10%, you get **19.4647, 9.4689, 65.7678**, and if you desaturate by 10%, it is **25.1726, 15.5475, 66.6402**.

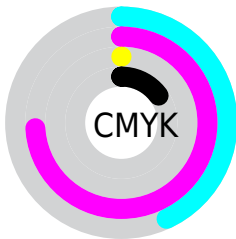
Distribution



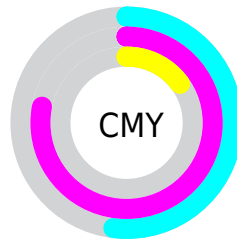
- Red (48%)
- Green (22%)
- Blue (85%)



- Red (48%)
- Yellow (22%)
- Blue (85%)



- Cyan (43%)
- Magenta (74%)
- Yellow (0%)
- Black (15%)



- Cyan (52%)
- Magenta (78%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.9772, 11.9972, 66.1231 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 21.9772, 11.9972, 66.1231 by changing the saturation by 10% instead.

21.9772, 11.9972,
66.1231

21.9772, 11.9972,
66.1231

255.0618,
204.3868, 465.2332

13.9567, 6.7418,
47.9152

46.1874, 29.4900,
115.2917

8.1720, 3.3011,
33.4002

63.1079, 42.4962,
147.0895

4.2580, 1.2909,
22.1596

83.7256, 58.8547,
184.2543

1.8491, 0.1341,
13.7748

108.4060, 78.9500,
227.2048

0.5470, 0.0000,
7.8272

137.5145,
103.1665, 276.3593

0.0000, 0.0000,
3.8984

171.4164,

0.0000, 0.0000,

131.8885, 332.1366

1.5698

210.4770,
165.5005, 394.9550

■ 0.0000, 0.0000,
0.2691

■ 0.0000, 0.0000,
0.0000

■ 21.9772, 11.9972,
66.1231

■ 21.9772, 11.9972,
66.1231

■ 19.4647, 9.4689,
65.7678

■ 25.1726, 15.5475,
66.6402

■ 17.5617, 7.8315,
65.5520

■ 29.1088, 20.2261,
67.3359

■ 16.6555, 7.1544,
65.4691

■ 33.8390, 26.1269,
68.2255

■ 39.4103, 33.3330,
69.3228

45.8659, 41.9204,
70.6401

53.2459, 51.9587,
72.1887

61.5876, 63.5131,
73.9793

70.9264, 76.6446,
76.0217

81.2956, 91.4108,
78.3253

Harmonies

Analogous

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



13.9033, 11.9972, 93.4046



21.9772, 11.9972, 66.1231



28.3759, 11.9972, 29.7282

Triad

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



21.9772, 11.9972, 66.1231



16.2854, 11.9972, 0.0000



2.8430, 11.9972, 20.9643

Complementary

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



21.9772, 11.9972, 66.1231



37.6638, 55.7868, 12.5243

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.



3.0581, 11.9972, 4.1922



21.9772, 11.9972, 66.1231



9.2219, 11.9972, 0.0000

Square

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



21.9772, 11.9972, 66.1231



24.2970, 11.9972, 0.7528



4.9178, 11.9972, 0.0230



4.1367, 11.9972, 54.6348

Rectangle

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



21.9772, 11.9972, 66.1231



29.7628, 11.9972, 12.7786



4.9178, 11.9972, 0.0230



2.7593, 11.9972, 13.3514

Sweetspot

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



21.9779, 11.9976, 66.1234



68.6951, 63.6126, 103.2656



24.8260, 27.3994, 68.9462



14.1100, 12.8159, 21.9800



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.



21.9779, 11.9976, 66.1234



26.6477, 12.2705, 95.5717



38.3470, 20.4361, 66.8895



12.2305, 12.2602, 15.6594



9.9752, 4.2949, 38.7564



0.6948, 0.3071, 2.3420

Inverse Universe

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



35.1579, 19.5973, 30.3624



47.9981, 24.6296, 35.4637



27.7478, 50.6749, 12.0603



12.7229, 12.5406, 14.4809



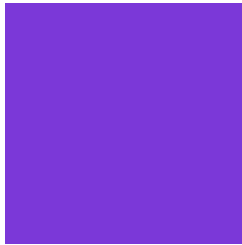
19.0286, 9.5478, 12.7205



1.1886, 0.5922, 0.9825

Previews

White Background



This preview shows how the XYZ color 21.9772, 11.9972, 66.1231 looks on a white background.

Color Contrast Check

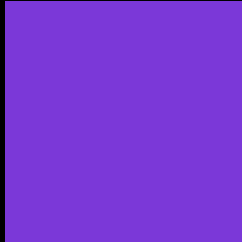
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.9772, 11.9972, 66.1231 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

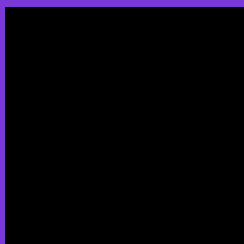
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 21.9772, 11.9972, 66.1231

Background



This preview shows how black text looks on a background with the XYZ color 21.9772, 11.9972, 66.1231.



This preview shows how white text looks on a background with the XYZ color 21.9772, 11.9972,

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

21.9772, 11.9972, 66.1231

Protanopia

14.1957, 12.0826, 55.0101

Deuteranopia

11.9079, 12.0546, 40.2272



Tritanopia

11.6113, 11.9066, 14.7829

Trichromacy



Original Color

21.9772, 11.9972, 66.1231



Protanomaly

14.9703, 10.7030, 59.0345



Deuteranomaly

13.2222, 10.4864, 48.3409



Tritanomaly

13.9971, 10.9934, 28.1723

Monochromacy



Original Color

21.9772, 11.9972, 66.1231



Achromatopsia

10.6392, 11.1932, 12.1894



Achromatomaly

13.2818, 10.5756, 25.3860

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.9772, 11.9972, 66.1231 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(123, 56, 216)` looks like.

```
.text, #text, p{  
    color:rgb(123, 56, 216)  
}
```

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(123, 56, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 56, 216) }
```

Border

The CSS property to change the border of an element to XYZ 21.9772, 11.9972, 66.1231 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(123, 56, 216) }
```


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

```
.border{ border-color:rgb(123, 56, 216) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 56, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 56, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 56, 216);  
box-shadow:4px 4px 4px 4px rgb(123, 56,  
216) }
```

Background

The CSS property to change the background color of an element to XYZ 21.9772, 11.9972, 66.1231 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 56, 216) }
```

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

```
.background{ background-color: rgb(123, 56,  
216) }
```

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