

Converting Colors

XYZ(21.7732, 11.8645, 57.7940)

Have a look what the booklet for
XYZ(21.7732, 11.8645, 57.7940)
contains.

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Color

**XYZ(21.7255, 11.8445,
57.6411)**

Conversions

Conversions Part 1

Format	Color
Hex	8535CB
RGB	133, 53, 203
RGB Percent	52%, 21%, 80%
CMY	0.4784, 0.7922, 0.2039
CMYK	0.34, 0.74, 0.00, 0.20
HSL	272°, 59%, 50%
HSV	272°, 74%, 80%
XYZ	21.7255, 11.8445, 57.6411
YIQ	94.0200, -0.4700, 63.6100

Conversions

Conversions Part 2

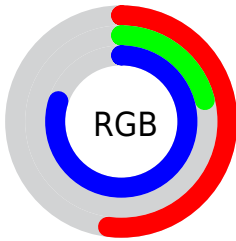
Format	Color
R_{YB}	133, 53, 203
Decimal	8730059
CIE _{Lab}	40.97, 60.16, -63.57
CIE _{LCh}	41, 87.525, 313.422
Yxy	11.8445, 0.2382, 0.1299
Android (android.graphics.Color)	4286920139 (0xFF8535CB)
YUV	94.0200, 53.7271, 34.1855
Hunter-Lab	34.4158, 52.4530, -75.2103

Details

The XYZ color **21.7255, 11.8445, 57.6411** is a dark color, and the websafe version is hex **9933CC**. The color can be described as dark muted purple. A complement of this color would be **30.1666, 47.1799, 10.8849**, and the grayscale version is **10.5217, 11.0696, 12.0548**.

A 20% lighter version of the original color is **44.7936, 28.8118, 97.8081**, and **8.2469, 3.6340, 28.2837** is the 20% darker color. If you saturate the color by 10%, you get **19.5596, 9.6332, 57.3287**, and if you desaturate by 10%, it is **24.4192, 14.9095, 58.0910**.

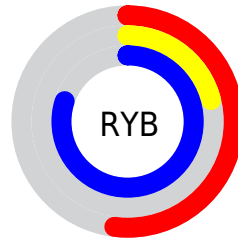
Distribution



Red (52%)

Green (21%)

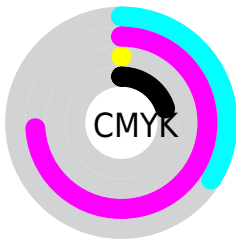
Blue (80%)



Red (52%)

Yellow (21%)

Blue (80%)

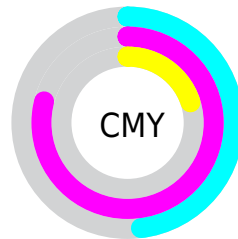


Cyan (34%)

Magenta (74%)

Yellow (0%)

Black (20%)



Cyan (48%)

Magenta (79%)

Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.7255, 11.8445, 57.6411 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 21.7255, 11.8445, 57.6411 by changing the saturation by 10% instead.

■ 21.7255, 11.8445,
57.6411

■ 21.7255, 11.8445,
57.6411

253.7688,
203.3731, 433.4081

■ 13.7708, 6.6379,
41.1074

■ 45.7741, 29.2116,
102.9096

■ 8.0421, 3.2367,
28.0827

■ 62.5988, 42.1408,
132.4816

■ 4.1739, 1.2565,
18.1484

■ 83.1108, 58.4131,
167.2366

■ 1.8010, 0.1072,
10.8860

■ 107.6755, 78.4127,
207.5934

■ 0.5183, 0.0000,
5.8771

■ 136.6583,
102.5241, 253.9704

■ 0.0000, 0.0000,
2.7029

■ 170.4246,

■ 0.0000, 0.0000,

131.1318, 306.7861

0.9449

209.3396,
164.6199, 366.4592

■ 0.0000, 0.0000,
0.0000

■ 21.7255, 11.8445,
57.6411

■ 21.7255, 11.8445,
57.6411

■ 19.5596, 9.6332,
57.3287

■ 24.4192, 14.9095,
58.0910

■ 17.8629, 8.1659,
57.1349

■ 27.6862, 18.9169,
58.6923

■ 16.9969, 7.5170,
57.0553

■ 31.5689, 23.9450,
59.4582

■ 36.1042, 30.0637,
60.4002

■ 41.3262, 37.3362,
61.5287

■ 47.2663, 45.8209,
62.8533

■ 53.9538, 55.5723,
64.3830

■ 61.4164, 66.6413,
66.1263

■ 69.6802, 79.0761,
68.0909

Harmonies

Analogous

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



14.2898, 11.8445, 83.8972



21.7255, 11.8445, 57.6411



27.1863, 11.8445, 25.4467

Triad

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



21.7255, 11.8445, 57.6411



15.0538, 11.8445, 0.0000



3.1389, 11.8445, 22.6689

Complementary

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



21.7255, 11.8445, 57.6411



30.1666, 47.1799, 10.8849

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.



3.2127, 11.8445, 5.3488



21.7255, 11.8445, 57.6411



8.6883, 11.8445, 0.0000

Square

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



21.7255, 11.8445, 57.6411



22.4604, 11.8445, 0.7322



4.8449, 11.8445, 0.4939



4.5825, 11.8445, 54.0740

Rectangle

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



21.7255, 11.8445, 57.6411



28.0575, 11.8445, 10.9463



4.8449, 11.8445, 0.4939



3.0096, 11.8445, 15.0659

Sweetspot

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



21.7261, 11.8449, 57.6414



70.7065, 64.6495, 103.3597



19.3308, 19.2347, 59.1940



14.5833, 13.0599, 22.0021



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.



21.7261, 11.8449, 57.6414



30.8782, 14.4514, 95.7697



36.0949, 19.3201, 55.2531



11.1635, 11.1336, 14.1310



10.9228, 4.8385, 36.3145



0.6506, 0.2945, 1.8775

Inverse Universe

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



29.4768, 16.6728, 20.4026



45.9564, 23.8129, 24.7120



23.5880, 43.7745, 11.2091



11.4265, 11.2993, 12.7807



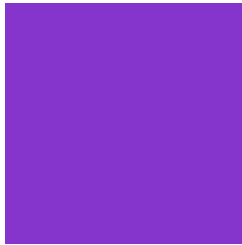
17.0253, 8.6207, 7.8521



0.9165, 0.4600, 0.6063

Previews

White Background



This preview shows how the XYZ color 21.7255, 11.8445, 57.6411 looks on a white background.

Color Contrast Check

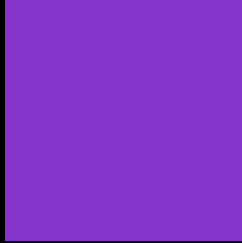
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.7255, 11.8445, 57.6411 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

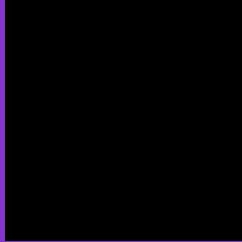
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 21.7255, 11.8445, 57.6411

Background



This preview shows how black text looks on a background with the XYZ color 21.7255, 11.8445, 57.6411.



This preview shows how white text looks on a background with the XYZ color 21.7255, 11.8445,

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

21.7255, 11.8445, 57.6411

Protanopia

14.1957, 12.0826, 55.0101

Deuteranopia

11.9082, 11.9022, 40.6995



Tritanopia

12.7557, 11.8747, 13.1750

Trichromacy



Original Color

21.7255, 11.8445, 57.6411



Protanomaly

14.4402, 10.3905, 55.8881



Deuteranomaly

12.7835, 10.0819, 46.0720



Tritanomaly

14.8435, 11.0784, 24.6486

Monochromacy



Original Color

21.7255, 11.8445, 57.6411



Achromatopsia

10.6392, 11.1932, 12.1894



Achromatomaly

13.2834, 10.5013, 23.8811

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.7255, 11.8445, 57.6411 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(133, 53, 203)` looks like.

```
.text, #text, p{  
  color:rgb(133, 53, 203)  
}
```

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(133, 53, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 53, 203) }
```

Border

The CSS property to change the border of an element to XYZ 21.7255, 11.8445, 57.6411 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(133, 53, 203) }
```


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

```
.border{ border-color:rgb(133, 53, 203) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 53, 203)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 53, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 53, 203);  
box-shadow:4px 4px 4px 4px rgb(133, 53,  
203) }
```

Background

The CSS property to change the background color of an element to XYZ 21.7255, 11.8445, 57.6411 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 53, 203) }
```

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

```
.background{ background-color: rgb(133, 53,  
203) }
```

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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