

Converting Colors

XYZ(21.5938, 17.5807, 47.6755)

Have a look what the booklet for
XYZ(21.5938, 17.5807, 47.6755)
contains.

XYZ(21.5885, 17.6288, 47.6123)	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(21.5885, 17.6288,
47.6123)**

Conversions

Conversions Part 1

Format	Color
Hex	7969B8
RGB	121, 105, 184
RGB Percent	47%, 41%, 72%
CMY	0.5255, 0.5882, 0.2784
CMYK	0.34, 0.43, 0.00, 0.28
HSL	252°, 36%, 57%
HSV	252°, 43%, 72%
XYZ	21.5885, 17.6288, 47.6123
YIQ	118.7900, -15.8230, 27.9610

Conversions

Conversions Part 2

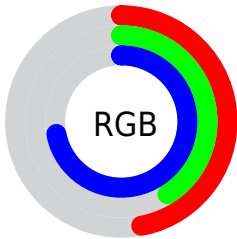
Format	Color
R_{YB}	121, 105, 184
Decimal	7956920
CIE _{Lab}	49.04, 24.71, -39.66
CIE _{LCh}	49, 46.730, 301.926
Yxy	17.6288, 0.2486, 0.2030
Android (android.graphics.Color)	4286147000 (0xFF7969B8)
YUV	118.7900, 32.1485, 1.9382
Hunter-Lab	41.9867, 18.3036, -37.8434

Details

The XYZ color **21.5885, 17.6288, 47.6123** is a dark color, and the websafe version is hex **6666CC**. A complement of this color would be **35.8389, 43.6260, 19.8969**, and the grayscale version is **17.3741, 18.2789, 19.9058**.

A 20% lighter version of the original color is **45.5211, 39.2983, 87.6242**, and **7.9966, 5.9030, 21.8370** is the 20% darker color. If you saturate the color by 10%, you get **18.0110, 13.2973, 46.9651**, and if you desaturate by 10%, it is **25.8856, 22.9338, 48.4101**.

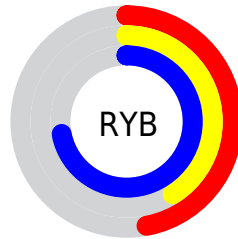
Distribution



Red (47%)

Green (41%)

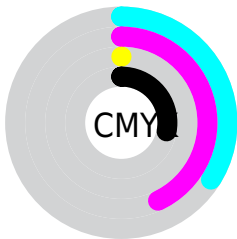
Blue (72%)



Red (47%)

Yellow (41%)

Blue (72%)

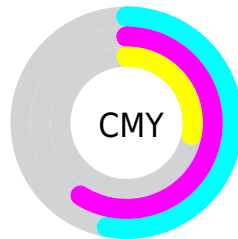


Cyan (34%)

Magenta (43%)

Yellow (0%)

Black (28%)



Cyan (53%)

Magenta (59%)

Yellow (28%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.5885, 17.6288, 47.6123 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 21.5885, 17.6288, 47.6123 by changing the saturation by 10% instead.

■ 21.5885, 17.6288,
47.6123

■ 21.5885, 17.6288,
47.6123

253.0627,
238.7704, 393.7176

■ 13.6698, 10.6838,
33.1622

■ 45.5489, 39.4038,
87.9864

■ 7.9715, 5.8546,
21.9786

■ 62.3212, 55.0026,
114.7474

■ 4.1284, 2.7569,
13.6430

■ 82.7754, 74.2548,
146.4492

■ 1.7750, 1.0062,
7.7369

■ 107.2769, 97.5447,
183.5102

■ 0.5025, 0.0000,
3.8417

136.1911,
125.2569, 226.3490

■ 0.0000, 0.0000,
1.5389

169.8831,

■ 0.0000, 0.0000,

157.7756, 275.3842

0.2467

208.7186,
195.4853, 331.0342

■ 0.0000, 0.0000,
0.0000

■ 21.5885, 17.6288,
47.6123

■ 21.5885, 17.6288,
47.6123

■ 18.0110, 13.2973,
46.9651

■ 25.8856, 22.9338,
48.4101

■ 15.1106, 9.8771,
46.4578

■ 30.9375, 29.2651,
49.3659

■ 12.8432, 7.3021,
46.0803

■ 36.7794, 36.6743,
50.4881

■ 11.1585, 5.4960,
45.8205

■ 43.4439, 45.2086,
51.7841

■ 9.9976, 4.3682,
45.6640

■ 50.9615, 54.9125,
53.2610

■ 9.4244, 3.8590,
45.5959

■ 59.3613, 65.8283,
54.9252

■ 68.6707, 77.9958,
56.7831

■ 78.9163, 91.4533,
58.8407

■ 84.9422, 95.8749,
59.3765

Harmonies

Analogous

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



17.0389, 17.6288, 54.5510



21.5885, 17.6288, 47.6123



25.2890, 17.6288, 32.8465

Triad

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



21.5885, 17.6288, 47.6123



21.0160, 17.6288, 4.8529



9.6993, 17.6288, 20.0127

Complementary

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



21.5885, 17.6288, 47.6123



35.8389, 43.6260, 19.8969

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.



10.3968, 17.6288, 9.9720



21.5885, 17.6288, 47.6123



16.4756, 17.6288, 3.8140

Square

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



21.5885, 17.6288, 47.6123



24.9202, 17.6288, 9.0961



12.7039, 17.6288, 5.1826



10.6031, 17.6288, 34.8860

Rectangle

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



21.5885, 17.6288, 47.6123



26.4955, 17.6288, 22.7659



12.7039, 17.6288, 5.1826



9.7538, 17.6288, 16.0181

Sweetspot

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



21.5892, 17.6295, 47.6127



66.3516, 66.0730, 91.4609



28.5175, 34.5436, 50.5123



13.7771, 13.5732, 19.6154



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



21.5892, 17.6295, 47.6127



32.6870, 24.1495, 85.1431



28.2611, 21.0689, 47.9250



8.6865, 8.8048, 11.3211



6.5431, 2.6843, 31.4263



0.2813, 0.1207, 1.1102

Inverse Universe

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



31.8870, 23.1211, 39.8278



54.1662, 35.6253, 67.9440



28.6985, 39.9450, 19.5627



9.3009, 9.1307, 10.9318



17.2642, 8.4794, 19.8100



0.6287, 0.3069, 0.8039

Previews

White Background



This preview shows how the XYZ color 21.5885, 17.6288, 47.6123 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 21.5885, 17.6288, 47.6123 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 21.5885, 17.6288, 47.6123

Background



This preview shows how black text looks on a background with the XYZ color 21.5885, 17.6288, 47.6123.

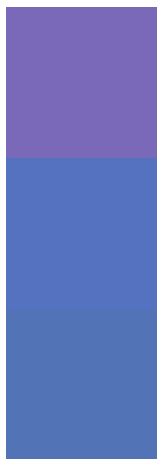


This preview shows how white text looks on a background with the XYZ color 21.5885, 17.6288,

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

21.5885, 17.6288, 47.6123

Protanopia

19.2781, 17.7717, 52.2834

Deuteranopia

18.1686, 17.6620, 46.7075



Tritanopia

16.6159, 17.7404, 22.6272

Trichromacy



Original Color

21.5885, 17.6288, 47.6123

Protanomaly

19.9068, 17.6397, 50.4997

Deuteranomaly

19.1653, 17.4940, 47.1663

Tritanomaly

18.0605, 17.4591, 30.4350

Monochromacy



Original Color

21.5885, 17.6288, 47.6123

Achromatopsia

17.5343, 18.4475, 20.0893

Achromatomaly

18.7210, 18.0109, 28.4763

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.5885, 17.6288, 47.6123 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(121, 105, 184)` looks like.

```
.text, #text, p{  
    color:rgb(121, 105, 184)  
}
```

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(121, 105, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(121, 105, 184) }
```

Border

The CSS property to change the border of an element to XYZ 21.5885, 17.6288, 47.6123 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(121, 105, 184) }
```


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

```
.border{ border-color:rgb(121, 105, 184) }
```

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

Here you see how a box with a 4 pixel `rgb(121, 105, 184)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(121, 105, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(121, 105, 184);  
box-shadow:4px 4px 4px 4px rgb(121, 105,  
184) }
```

Background

The CSS property to change the background color of an element to XYZ 21.5885, 17.6288, 47.6123 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(121, 105, 184) }
```

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

```
.background{ background-color: rgb(121,  
105, 184) }
```

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