

Converting Colors

XYZ(21.3400, 16.0466, 41.7116)

Have a look what the booklet for
XYZ(21.3400, 16.0466, 41.7116)
contains.

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Color

**XYZ(21.3770, 16.0909,
41.5143)**

Conversions

Conversions Part 1

Format	Color
Hex	865EAD
RGB	134, 94, 173
RGB Percent	53%, 37%, 68%
CMY	0.4745, 0.6314, 0.3216
CMYK	0.23, 0.46, 0.00, 0.32
HSL	270°, 33%, 52%
HSV	270°, 46%, 68%
XYZ	21.3770, 16.0909, 41.5143
YIQ	114.9660, -1.5190, 33.0490

Conversions

Conversions Part 2

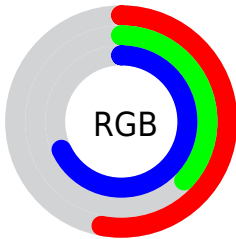
Format	Color
RYB	134, 94, 173
Decimal	8806061
CIELab	47.09, 32.11, -36.24
CIELCh	47, 48.424, 311.544
Yxy	16.0909, 0.2707, 0.2037
Android (android.graphics.Color)	4286996141 (0xFF865EAD)
YUV	114.9660, 28.6108, 16.6928
Hunter-Lab	40.1135, 24.9265, -33.2811

Details

The XYZ color **21.3770, 16.0909, 41.5143** is a dark color, and the websafe version is hex **9966CC**. A complement of this color would be **26.6373, 35.6822, 16.0738**, and the grayscale version is **16.2024, 17.0461, 18.5632**.

A 20% lighter version of the original color is **45.2545, 36.7268, 78.8325**, and **7.8468, 5.1039, 18.3409** is the 20% darker color. If you saturate the color by 10%, you get **18.7009, 12.6782, 40.9969**, and if you desaturate by 10%, it is **24.5090, 20.2511, 42.1525**.

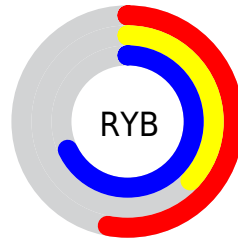
Distribution



Red (53%)

Green (37%)

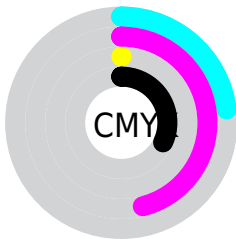
Blue (68%)



Red (53%)

Yellow (37%)

Blue (68%)

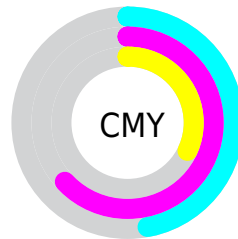


Cyan (23%)

Magenta (46%)

Yellow (0%)

Black (32%)



Cyan (47%)

Magenta (63%)

Yellow (32%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.3770, 16.0909, 41.5143 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 21.3770, 16.0909, 41.5143 by changing the saturation by 10% instead.

■ 21.3770, 16.0909,
41.5143

■ 21.3770, 16.0909,
41.5143

251.9693,
229.8775, 368.2057

■ 13.5139, 9.5885,
28.3984

■ 45.2007, 36.7559,
78.7261

■ 7.8628, 5.1270,
18.3846

■ 61.8920, 51.6874,
103.6592

■ 4.0583, 2.3220,
11.0542

■ 82.2567, 70.1973,
133.3684

■ 1.7352, 0.7853,
5.9886

■ 106.6602, 92.6700,
168.2723

■ 0.4781, 0.0000,
2.7695

135.4679,
119.4900, 208.7895

■ 0.0000, 0.0000,
0.9782

169.0450,

■ 0.0000, 0.0000,

151.0417, 255.3384

0.0000

207.7570,
187.7094, 308.3376

■ 21.3770, 16.0909,
41.5143

■ 21.3770, 16.0909,
41.5143

■ 18.7009, 12.6782,
40.9969

■ 24.5090, 20.2511,
42.1525

■ 16.4530, 9.9630,
40.5913

■ 28.1188, 25.2005,
42.9176

■ 14.6051, 7.8924,
40.2890

■ 32.2288, 30.9799,
43.8165

■ 13.1241, 6.4042,
40.0798

■ 36.8595, 37.6266,
44.8554

■ 11.9682, 5.4194,
39.9507

■ 42.0301, 45.1756,
46.0400

■ 11.5291, 5.0721,
39.9068

■ 47.7587, 53.6602,
47.3757

■ 54.0627, 63.1116,
48.8678

■ 60.9586, 73.5598,
50.5210

■ 68.4622, 85.0334,
52.3402

Harmonies

Analogous

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



16.9878, 16.0909, 51.8961



21.3770, 16.0909, 41.5143



24.4260, 16.0909, 26.0202

Triad

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



21.3770, 16.0909, 41.5143



18.0288, 16.0909, 3.3787



8.6047, 16.0909, 22.6320

Complementary

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



21.3770, 16.0909, 41.5143



26.6373, 35.6822, 16.0738

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.



8.7796, 16.0909, 11.1080



21.3770, 16.0909, 41.5143



13.7166, 16.0909, 3.1408

Square

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



21.3770, 16.0909, 41.5143



22.2596, 16.0909, 6.1334



10.4905, 16.0909, 5.1950



9.9580, 16.0909, 38.0690

Rectangle

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



21.3770, 16.0909, 41.5143



25.0005, 16.0909, 16.8974



10.4905, 16.0909, 5.1950



8.4946, 16.0909, 18.1582

Sweetspot

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



21.3776, 16.0915, 41.5147



58.8389, 57.0758, 78.7214



20.6157, 22.3098, 42.7551



12.4299, 11.8959, 17.0287



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



21.3776, 16.0915, 41.5147



33.3615, 22.5434, 73.3987



28.7795, 19.9074, 41.8611



7.9509, 7.9490, 10.0679



8.5359, 3.7603, 29.3204



0.3005, 0.1371, 0.8186

Inverse Universe

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



25.4704, 18.5837, 24.4356



42.0298, 27.8202, 37.2947



21.5806, 33.0754, 15.8371



8.1639, 8.0788, 9.1737



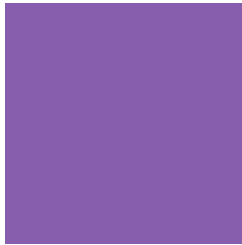
13.9059, 7.0249, 7.1499



0.4145, 0.2065, 0.3447

Previews

White Background



This preview shows how the XYZ color 21.3770, 16.0909, 41.5143 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 21.3770, 16.0909, 41.5143 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

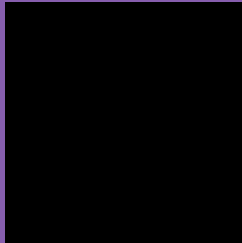
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 21.3770, 16.0909, 41.5143

Background



This preview shows how black text looks on a background with the XYZ color 21.3770, 16.0909, 41.5143.



This preview shows how white text looks on a background with the XYZ color 21.3770, 16.0909,

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

21.3770, 16.0909, 41.5143

Protanopia

17.7465, 16.2306, 49.2112

Deuteranopia

16.5020, 16.1183, 39.7775



Tritanopia

16.7223, 16.0614, 18.7418

Trichromacy



Original Color

21.3770, 16.0909, 41.5143

Protanomaly

18.6493, 15.9874, 46.3589

Deuteranomaly

17.7868, 15.8302, 40.1483

Tritanomaly

18.1688, 15.8981, 25.7779

Monochromacy



Original Color

21.3770, 16.0909, 41.5143

Achromatopsia

16.2955, 17.1441, 18.6699

Achromatomaly

17.7277, 16.4305, 25.5296

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.3770, 16.0909, 41.5143 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(134, 94, 173)` looks like.

```
.text, #text, p{  
    color:rgb(134, 94, 173)  
}
```

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(134, 94, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(134, 94, 173) }
```

Border

The CSS property to change the border of an element to XYZ 21.3770, 16.0909, 41.5143 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(134, 94, 173) }
```


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

```
.border{ border-color:rgb(134, 94, 173) }
```

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

Here you see how a box with a 4 pixel `rgb(134, 94, 173)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(134, 94, 173); -webkit-box-  
shadow:4px 4px 4px 4px rgb(134, 94, 173);  
box-shadow:4px 4px 4px 4px rgb(134, 94,  
173) }
```

Background

The CSS property to change the background color of an element to XYZ 21.3770, 16.0909, 41.5143 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(134, 94, 173) }
```

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

```
.background{ background-color: rgb(134, 94,  
173) }
```

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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