

Converting Colors

XYZ(21.6748, 16.3470, 36.9628)

Have a look what the booklet for
XYZ(21.6748, 16.3470, 36.9628)
contains.

XYZ(21.6880, 16.3485, 37.1344)	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(21.6880, 16.3485,
37.1344)**

Conversions

Conversions Part 1

Format	Color
Hex	8D5EA4
RGB	141, 94, 164
RGB Percent	55%, 37%, 64%
CMY	0.4471, 0.6314, 0.3569
CMYK	0.14, 0.43, 0.00, 0.36
HSL	280°, 28%, 51%
HSV	280°, 43%, 64%
XYZ	21.6880, 16.3485, 37.1344
YIQ	116.0330, 5.5420, 31.7340

Conversions

Conversions Part 2

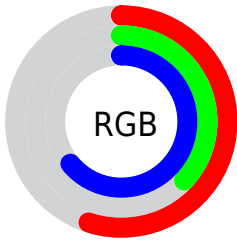
Format	Color
R_{YB}	141, 94, 164
Decimal	9264804
CIE _{Lab}	47.43, 32.14, -30.37
CIE _{LCh}	47, 44.221, 316.616
Yxy	16.3485, 0.2885, 0.2175
Android (android.graphics.Color)	4287454884 (0xFF8D5EA4)
YUV	116.0330, 23.6477, 21.8961
Hunter-Lab	40.4333, 24.9874, -26.1493

Details

The XYZ color **21.6880, 16.3485, 37.1344** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **22.6326, 31.1414, 15.4085**, and the grayscale version is **16.5397, 17.4011, 18.9498**.

A 20% lighter version of the original color is **45.6765, 37.1010, 71.7716**, and **8.0214, 5.2477, 15.9194** is the 20% darker color. If you saturate the color by 10%, you get **19.4877, 13.2748, 36.6573**, and if you desaturate by 10%, it is **24.2439, 20.0662, 37.7175**.

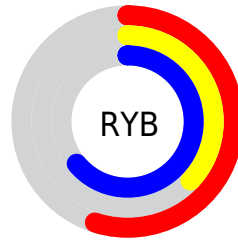
Distribution



Red (55%)

Green (37%)

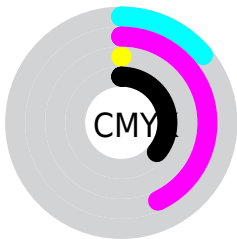
Blue (64%)



Red (55%)

Yellow (37%)

Blue (64%)

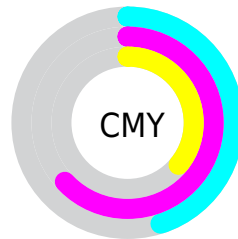


Cyan (14%)

Magenta (43%)

Yellow (0%)

Black (36%)



Cyan (45%)

Magenta (63%)

Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.6880, 16.3485, 37.1344 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 21.6880, 16.3485, 37.1344 by changing the saturation by 10% instead.

■ 21.6880, 16.3485,
37.1344

■ 21.6880, 16.3485,
37.1344

253.5757,
231.3894, 349.0782

■ 13.7431, 9.7711,
25.0150

■ 45.7125, 37.2022,
71.9681

■ 8.0227, 5.2475,
15.8691

■ 62.5228, 52.2472,
95.5194

■ 4.1614, 2.3932,
9.2782

■ 83.0190, 70.8836,
123.7184

■ 1.7939, 0.8224,
4.8238

■ 107.5665, 93.4957,
156.9837

■ 0.5140, 0.0000,
2.0873

136.5305,
120.4680, 195.7338

■ 0.0000, 0.0000,
0.6082

170.2765,

■ 0.0000, 0.0000,

152.1848, 240.3872

0.0000

209.1698,
189.0304, 291.3625

■ 21.6880, 16.3485,
37.1344

■ 21.6880, 16.3485,
37.1344

■ 19.4877, 13.2748,
36.6573

■ 24.2439, 20.0662,
37.7175

■ 17.6208, 10.8031,
36.2787

■ 27.1724, 24.4624,
38.4117

■ 16.0652, 8.8897,
35.9913

■ 30.4912, 29.5714,
39.2230

■ 14.7949, 7.4837,
35.7869

■ 34.2165, 35.4244,
40.1564

■ 13.7793, 6.5247,
35.6553

■ 38.3635, 42.0512,
41.2169

■ 13.1455, 6.0027,
35.5880

■ 42.9466, 49.4794,
42.4091

■ 47.9794, 57.7356,
43.7375

■ 53.4748, 66.8450,
45.2061

■ 59.4455, 76.8318,
46.8191

Harmonies

Analogous

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



17.7962, 16.3485, 47.5464



21.6880, 16.3485, 37.1344



24.0887, 16.3485, 23.2816

Triad

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



21.6880, 16.3485, 37.1344



17.3502, 16.3485, 3.9736



9.3756, 16.3485, 24.7173

Complementary

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



21.6880, 16.3485, 37.1344



22.6326, 31.1414, 15.4085

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.



9.2972, 16.3485, 13.2556



21.6880, 16.3485, 37.1344



13.4808, 16.3485, 4.0907

Square

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



21.6880, 16.3485, 37.1344



21.3145, 16.3485, 6.2672



10.6778, 16.3485, 6.7066



10.9138, 16.3485, 38.5585

Rectangle

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



21.6880, 16.3485, 37.1344



24.2964, 16.3485, 15.4268



10.6778, 16.3485, 6.7066



9.1879, 16.3485, 20.4065

Sweetspot

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



21.6886, 16.3492, 37.1348



54.9875, 53.1187, 71.1071



17.7178, 17.8612, 37.6359



11.7318, 11.1638, 15.4740



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

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



21.6886, 16.3492, 37.1348



35.6408, 24.4610, 66.5953



25.0079, 18.1765, 32.0399



7.1371, 7.0850, 8.8945



10.1309, 4.6291, 27.2893



0.2594, 0.1212, 0.5756

Inverse Universe

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



22.5240, 17.1830, 18.9600



37.6340, 26.3395, 28.2422



20.4763, 29.9647, 18.2503



7.1653, 7.1226, 7.8567



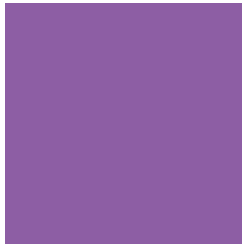
12.2674, 6.2630, 3.3326



0.2788, 0.1400, 0.1808

Previews

White Background



This preview shows how the XYZ color 21.6880, 16.3485, 37.1344 looks on a white background.

Color Contrast Check

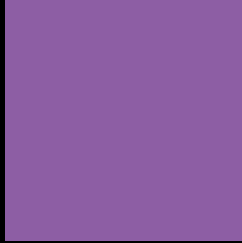
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.6880, 16.3485, 37.1344 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

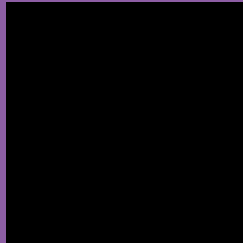
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 21.6880, 16.3485, 37.1344

Background



This preview shows how black text looks on a background with the XYZ color 21.6880, 16.3485, 37.1344.



This preview shows how white text looks on a background with the XYZ color 21.6880, 16.3485,

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

21.6880, 16.3485, 37.1344

Protanopia

17.7448, 16.6579, 44.3995

Deuteranopia

16.9465, 16.5944, 36.0281



Tritanopia

17.7051, 16.2820, 17.8324

Trichromacy



Original Color

21.6880, 16.3485, 37.1344

Protanomaly

18.6578, 16.2461, 41.6876

Deuteranomaly

18.2553, 16.1565, 36.3388

Tritanomaly

18.9719, 16.2075, 23.9582

Monochromacy



Original Color

21.6880, 16.3485, 37.1344

Achromatopsia

16.6002, 17.4647, 19.0191

Achromatomaly

18.0536, 16.7786, 24.4774

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.6880, 16.3485, 37.1344 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(141, 94, 164)` looks like.

```
.text, #text, p{  
    color:rgb(141, 94, 164)  
}
```

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(141, 94, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(141, 94, 164) }
```

Border

The CSS property to change the border of an element to XYZ 21.6880, 16.3485, 37.1344 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(141, 94, 164) }
```


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

```
.border{ border-color:rgb(141, 94, 164) }
```

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

Here you see how a box with a 4 pixel `rgb(141, 94, 164)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(141, 94, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(141, 94, 164);  
box-shadow:4px 4px 4px 4px rgb(141, 94,  
164) }
```

Background

The CSS property to change the background color of an element to XYZ 21.6880, 16.3485, 37.1344 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(141, 94, 164) }
```

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

```
.background{ background-color: rgb(141, 94,  
164) }
```

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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