

Converting Colors

XYZ(21.0635, 16.8643, 43.1196)

Have a look what the booklet for
XYZ(21.0635, 16.8643, 43.1196)
contains.

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Color

**XYZ(21.0943, 16.8776,
43.2202)**

Conversions

Conversions Part 1

Format	Color
Hex	7E65B0
RGB	126, 101, 176
RGB Percent	49%, 40%, 69%
CMY	0.5059, 0.6039, 0.3098
CMYK	0.28, 0.43, 0.00, 0.31
HSL	260°, 32%, 54%
HSV	260°, 43%, 69%
XYZ	21.0943, 16.8776, 43.2202
YIQ	117.0250, -9.1750, 28.6250

Conversions

Conversions Part 2

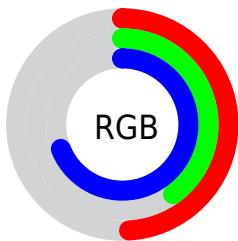
Format	Color
R_{YB}	126, 101, 176
Decimal	8283568
CIE _{Lab}	48.11, 26.41, -36.46
CIE _{LCh}	48, 45.017, 305.916
Yxy	16.8776, 0.2598, 0.2079
Android (android.graphics.Color)	4286473648 (0xFF7E65B0)
YUV	117.0250, 29.0747, 7.8711
Hunter-Lab	41.0824, 19.7592, -33.6177

Details

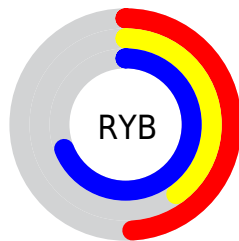
The XYZ color **21.0943, 16.8776, 43.2202** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **30.6373, 38.5700, 18.1426**, and the grayscale version is **16.8316, 17.7082, 19.2842**.

A 20% lighter version of the original color is **44.6161, 37.9860, 81.3244**, and **7.7184, 5.5242, 19.3984** is the 20% darker color. If you saturate the color by 10%, you get **17.9351, 12.9784, 42.6344**, and if you desaturate by 10%, it is **24.8237, 21.6146, 43.9383**.

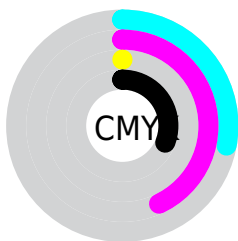
Distribution



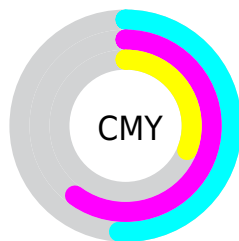
- Red (49%)
- Green (40%)
- Blue (69%)



- Red (49%)
- Yellow (40%)
- Blue (69%)



- Cyan (28%)
- Magenta (43%)
- Yellow (0%)
- Black (31%)



- Cyan (51%)
- Magenta (60%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.0943, 16.8776, 43.2202 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 21.0943, 16.8776, 43.2202 by changing the saturation by 10% instead.

■ 21.0943, 16.8776,
43.2202

■ 21.0943, 16.8776,
43.2202

250.5015,
234.4660, 375.4643

■ 13.3058, 10.1473,
29.7252

■ 44.7345, 38.1152,
81.3330

■ 7.7179, 5.4967,
19.3799

■ 61.3169, 53.3913,
106.7879

■ 3.9653, 2.5415,
11.7655

■ 81.5614, 72.2847,
137.0665

■ 1.6825, 0.8974,
6.4636

■ 105.8332, 95.1799,
172.5874

■ 0.4453, 0.0000,
3.0557

134.4978,
122.4612, 213.7690

■ 0.0000, 0.0000,
1.1231

167.9205,

■ 0.0000, 0.0000,

154.5131, 261.0301

0.0000

206.4666,
191.7199, 314.7890

■ 21.0943, 16.8776,
43.2202

■ 21.0943, 16.8776,
43.2202

■ 17.9351, 12.9784,
42.6344

■ 24.8237, 21.6146,
43.9383

■ 15.3136, 9.8642,
42.1714

■ 29.1494, 27.2338,
44.7949

■ 13.1966, 7.4792,
41.8227

■ 34.0983, 33.7789,
45.7974

■ 11.5463, 5.7591,
41.5777

■ 39.6950, 41.2898,
46.9522

■ 10.3182, 4.6277,
41.4240

■ 45.9625, 49.8042,
48.2653

■ 9.6205, 4.0543,
41.3501

■ 52.9230, 59.3579,
49.7425

■ 60.5974, 69.9847,
51.3892

■ 69.0057, 81.7170,
53.2106

■ 76.7463, 91.7440,
54.7380

Harmonies

Analogous

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



16.8634, 16.8776, 50.9817



21.0943, 16.8776, 43.2202



24.3169, 16.8776, 29.1473

Triad

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



21.0943, 16.8776, 43.2202



19.4586, 16.8776, 4.5550



9.4385, 16.8776, 20.7896

Complementary

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



21.0943, 16.8776, 43.2202



30.6373, 38.5700, 18.1426

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.



9.8956, 16.8776, 10.6523



21.0943, 16.8776, 43.2202



15.2471, 16.8776, 3.8686

Square

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



21.0943, 16.8776, 43.2202



23.2661, 16.8776, 8.1016



11.8680, 16.8776, 5.5306



10.4928, 16.8776, 34.9459

Rectangle

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



21.0943, 16.8776, 43.2202



25.2018, 16.8776, 20.0229



11.8680, 16.8776, 5.5306



9.4232, 16.8776, 16.8235

Sweetspot

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



21.0949, 16.8783, 43.2206



61.2570, 60.4831, 82.9411



24.4727, 28.4396, 45.2741



12.8362, 12.5238, 17.8851



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

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



21.0949, 16.8783, 43.2206



32.9072, 23.9985, 77.3931



27.4418, 20.1502, 43.5176



8.3000, 8.3632, 10.6831



7.1150, 3.0037, 30.3418



0.2873, 0.1272, 0.9576

Inverse Universe

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



28.1446, 20.7725, 31.8048



47.6648, 32.1684, 52.6906



24.9122, 35.6186, 17.8747



8.7272, 8.5976, 10.0618



15.5352, 7.7316, 13.2440



0.5145, 0.2536, 0.5521

Previews

White Background



This preview shows how the XYZ color 21.0943, 16.8776, 43.2202 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 21.0943, 16.8776, 43.2202 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 21.0943, 16.8776, 43.2202

Background



This preview shows how black text looks on a background with the XYZ color 21.0943, 16.8776, 43.2202.



This preview shows how white text looks on a background with the XYZ color 21.0943, 16.8776,

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

21.0943, 16.8776, 43.2202

Protanopia

18.4034, 17.0648, 48.7782

Deuteranopia

17.3979, 17.0302, 41.9054



Tritanopia

16.6204, 16.9284, 20.8039

Trichromacy



Original Color

21.0943, 16.8776, 43.2202

Protanomaly

19.0616, 16.8118, 46.4963

Deuteranomaly

18.4754, 16.7600, 42.3056

Tritanomaly

18.0969, 16.8833, 27.8962

Monochromacy



Original Color

21.0943, 16.8776, 43.2202

Achromatopsia

16.9083, 17.7888, 19.3720

Achromatomaly

18.0176, 17.1969, 26.4145

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.0943, 16.8776, 43.2202 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(126, 101, 176)` looks like.

```
.text, #text, p{  
    color:rgb(126, 101, 176)  
}
```

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(126, 101, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(126, 101, 176) }
```

Border

The CSS property to change the border of an element to XYZ 21.0943, 16.8776, 43.2202 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(126, 101, 176) }
```


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

```
.border{ border-color:rgb(126, 101, 176) }
```

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

Here you see how a box with a 4 pixel `rgb(126, 101, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(126, 101, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(126, 101, 176);  
box-shadow:4px 4px 4px 4px rgb(126, 101,  
176) }
```

Background

The CSS property to change the background color of an element to XYZ 21.0943, 16.8776, 43.2202 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(126, 101, 176) }
```

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

```
.background{ background-color: rgb(126,  
101, 176) }
```

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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