

Converting Colors

XYZ(21.8667, 18.2361, 43.4427)

Have a look what the booklet for
XYZ(21.8667, 18.2361, 43.4427)
contains.

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Color

**XYZ(21.8466, 18.1620,
43.4285)**

Conversions

Conversions Part 1

Format	Color
Hex	7F6BB0
RGB	127, 107, 176
RGB Percent	50%, 42%, 69%
CMY	0.5020, 0.5804, 0.3098
CMYK	0.28, 0.39, 0.00, 0.31
HSL	257°, 30%, 55%
HSV	257°, 39%, 69%
XYZ	21.8466, 18.1620, 43.4285
YIQ	120.8460, -10.2290, 25.6990

Conversions

Conversions Part 2

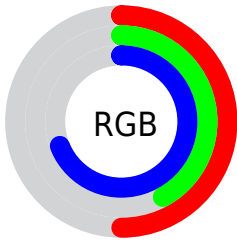
Format	Color
R_{YB}	127, 107, 176
Decimal	8350640
CIE _{Lab}	49.69, 23.12, -33.96
CIE _{LCh}	50, 41.084, 304.254
Yxy	18.1620, 0.2618, 0.2177
Android (android.graphics.Color)	4286540720 (0xFF7F6BB0)
YUV	120.8460, 27.1909, 5.3971
Hunter-Lab	42.6169, 16.9245, -30.5873

Details

The XYZ color **21.8466, 18.1620, 43.4285** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **31.8898, 39.1805, 19.7924**, and the grayscale version is **18.0423, 18.9819, 20.6713**.

A 20% lighter version of the original color is **46.0197, 40.4462, 81.7253**, and **8.1196, 6.0945, 19.4873** is the 20% darker color. If you saturate the color by 10%, you get **18.4477, 13.9578, 42.7965**, and if you desaturate by 10%, it is **25.8512, 23.2336, 44.1967**.

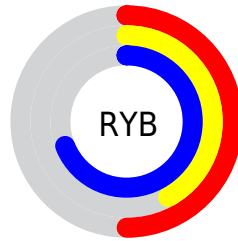
Distribution



Red (50%)

Green (42%)

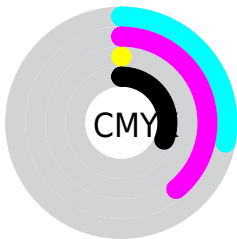
Blue (69%)



Red (50%)

Yellow (42%)

Blue (69%)

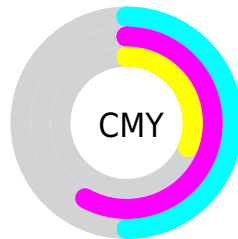


Cyan (28%)

Magenta (39%)

Yellow (0%)

Black (31%)



Cyan (50%)

Magenta (58%)

Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.8466, 18.1620, 43.4285 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 21.8466, 18.1620, 43.4285 by changing the saturation by 10% instead.

■ 21.8466, 18.1620,
43.4285

■ 21.8466, 18.1620,
43.4285

254.3916,
241.7826, 376.3439

■ 13.8602, 11.0664,
29.8876

■ 45.9731, 40.3132,
81.6504

■ 8.1045, 6.1115,
19.5019

■ 62.8439, 56.1375,
107.1684

■ 4.2143, 2.9130,
11.8531

■ 83.4068, 75.6402,
137.5159

■ 1.8241, 1.0865,
6.5224

■ 108.0273, 99.2056,
173.1113

■ 0.5321, 0.0000,
3.0914

137.0706,
127.2181, 214.3733

■ 0.0000, 0.0000,
1.1415

170.9022,

■ 0.0000, 0.0000,

160.0622, 261.7204

0.0000

209.8874,
198.1222, 315.5711

■ 21.8466, 18.1620,
43.4285

■ 21.8466, 18.1620,
43.4285

■ 18.4477, 13.9578,
42.7965

■ 25.8512, 23.2336,
44.1967

■ 15.6213, 10.5689,
42.2913

■ 30.4885, 29.2162,
45.1070

■ 13.3338, 7.9408,
41.9046

■ 35.7859, 36.1534,
46.1668

■ 11.5471, 6.0113,
41.6263

■ 41.7689, 44.0848,
47.3824

■ 10.2172, 4.7076,
41.4448

■ 48.4614, 53.0482,
48.7598

■ 9.2686, 3.8954,
41.3380

■ 55.8862, 63.0791,
50.3046

■ 9.2026, 3.8389,
41.3306

■ 64.0650, 74.2114,
52.0223

■ 73.0187, 86.4775,
53.9180

■ 79.3582, 93.0904,
54.8603

Harmonies

Analogous

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



17.8258, 18.1620, 49.9349



21.8466, 18.1620, 43.4285



24.9536, 18.1620, 30.6735

Triad

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



21.8466, 18.1620, 43.4285



20.7365, 18.1620, 6.0353



10.8010, 18.1620, 21.4149

Complementary

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



21.8466, 18.1620, 43.4285



31.8898, 39.1805, 19.7924

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.



11.3403, 18.1620, 11.8230



21.8466, 18.1620, 43.4285



16.7111, 18.1620, 5.1419

Square

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



21.8466, 18.1620, 43.4285



24.2478, 18.1620, 9.9675



13.3691, 18.1620, 6.7881



11.7667, 18.1620, 34.5292

Rectangle

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



21.8466, 18.1620, 43.4285



25.8700, 18.1620, 22.0092



13.3691, 18.1620, 6.7881



10.8135, 18.1620, 17.6980

Sweetspot

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



21.8473, 18.1627, 43.4289



61.8860, 61.6007, 83.1237



25.8645, 30.1892, 45.5385



13.1450, 13.0000, 17.9608



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.



21.8473, 18.1627, 43.4289



34.2459, 26.2774, 77.7624



27.8027, 21.2329, 43.7076



8.2657, 8.3455, 10.6815



6.8036, 2.8432, 30.3272



0.2734, 0.1201, 0.9570

Inverse Universe

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



29.1634, 22.1464, 34.1902



49.6077, 34.6580, 57.6425



26.1987, 36.2466, 19.5260



8.7429, 8.6039, 10.1447



15.8784, 7.8689, 15.0515



0.5234, 0.2571, 0.5990

Previews

White Background



This preview shows how the XYZ color 21.8466, 18.1620, 43.4285 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 21.8466, 18.1620, 43.4285 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

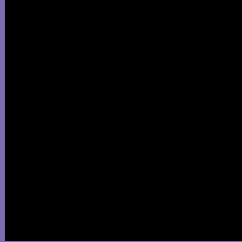
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 21.8466, 18.1620, 43.4285

Background



This preview shows how black text looks on a background with the XYZ color 21.8466, 18.1620, 43.4285.

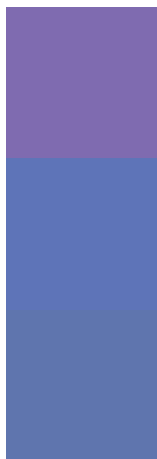


This preview shows how white text looks on a background with the XYZ color 21.8466, 18.1620,

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

21.8466, 18.1620, 43.4285

Protanopia

19.5132, 18.3312, 47.8572

Deuteranopia

18.7206, 18.2115, 42.5729



Tritanopia

17.5282, 18.0368, 22.6363

Trichromacy



Original Color

21.8466, 18.1620, 43.4285

Protanomaly

20.1895, 18.2106, 46.1670

Deuteranomaly

19.7064, 18.0312, 42.9992

Tritanomaly

18.9011, 17.9195, 29.2507

Monochromacy



Original Color

21.8466, 18.1620, 43.4285

Achromatopsia

18.1737, 19.1202, 20.8219

Achromatomaly

19.2215, 18.6248, 27.7812

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.8466, 18.1620, 43.4285 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(127, 107, 176)` looks like.

```
.text, #text, p{  
    color:rgb(127, 107, 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(127, 107, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 107, 176) }
```

Border

The CSS property to change the border of an element to XYZ 21.8466, 18.1620, 43.4285 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(127, 107, 176) }
```


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

```
.border{ border-color:rgb(127, 107, 176) }
```

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

Here you see how a box with a 4 pixel `rgb(127, 107, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 107, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 107, 176);  
box-shadow:4px 4px 4px 4px rgb(127, 107,  
176) }
```

Background

The CSS property to change the background color of an element to XYZ 21.8466, 18.1620, 43.4285 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 107, 176) }
```

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

```
.background{ background-color: rgb(127,  
107, 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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