

Converting Colors

XYZ(20.1425, 16.8265, 42.3542)

Have a look what the booklet for
XYZ(20.1425, 16.8265, 42.3542)
contains.

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Color

**XYZ(20.1980, 16.8786,
42.2377)**

Conversions

Conversions Part 1

Format	Color
Hex	7768AE
RGB	119, 104, 174
RGB Percent	47%, 41%, 68%
CMY	0.5333, 0.5921, 0.3176
CMYK	0.32, 0.40, 0.00, 0.32
HSL	253°, 30%, 55%
HSV	253°, 40%, 68%
XYZ	20.1980, 16.8786, 42.2377
YIQ	116.4650, -13.5300, 24.9500

Conversions

Conversions Part 2

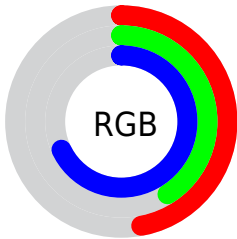
Format	Color
R_{YB}	119, 104, 174
Decimal	7825582
CIE _{Lab}	48.11, 22.05, -35.33
CIE _{LCh}	48, 41.650, 301.968
Yxy	16.8786, 0.2547, 0.2128
Android (android.graphics.Color)	4286015662 (0xFF7768AE)
YUV	116.4650, 28.3648, 2.2232
Hunter-Lab	41.0836, 15.8601, -32.1971

Details

The XYZ color **20.1980, 16.8786, 42.2377** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **31.9333, 38.6429, 18.8732**, and the grayscale version is **16.6623, 17.5300, 19.0902**.

A 20% lighter version of the original color is **43.2379, 38.0401, 79.9265**, and **7.2982, 5.5357, 18.7730** is the 20% darker color. If you saturate the color by 10%, you get **16.8807, 12.8315, 41.6317**, and if you desaturate by 10%, it is **24.1478, 21.7888, 42.9776**.

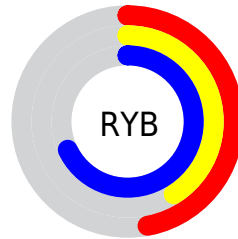
Distribution



Red (47%)

Green (41%)

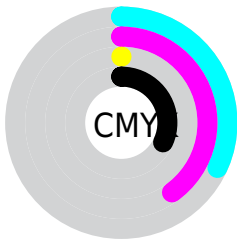
Blue (68%)



Red (47%)

Yellow (41%)

Blue (68%)

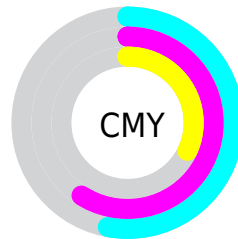


Cyan (32%)

Magenta (40%)

Yellow (0%)

Black (32%)



Cyan (53%)

Magenta (59%)

Yellow (32%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.1980, 16.8786, 42.2377 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 20.1980, 16.8786, 42.2377 by changing the saturation by 10% instead.

■ 20.1980, 16.8786,
42.2377

■ 20.1980, 16.8786,
42.2377

245.7982,
234.4718, 371.2960

■ 12.6482, 10.1480,
28.9605

■ 43.2503, 38.1169,
79.8332

■ 7.2620, 5.4972,
18.8056

■ 59.4835, 53.3934,
104.9886

■ 3.6743, 2.5418,
11.3545

■ 79.3418, 72.2873,
134.9405

■ 1.5196, 0.8975,
6.1887

■ 103.1906, 95.1830,
170.1074

■ 0.3391, 0.0000,
2.8895

131.3953,
122.4649, 210.9079

■ 0.0000, 0.0000,
1.0385

164.3213,

■ 0.0000, 0.0000,

154.5174, 257.7604

0.0000

202.3338,
191.7249, 311.0836

■ 20.1980, 16.8786,
42.2377

■ 20.1980, 16.8786,
42.2377

■ 16.8807, 12.8315,
41.6317

■ 24.1478, 21.7888,
42.9776

■ 14.1603, 9.5950,
41.1504

■ 28.7596, 27.6068,
43.8575

■ 12.0001, 7.1136,
40.7852

■ 34.0631, 34.3763,
44.8846

■ 10.3586, 5.3238,
40.5263

■ 40.0856, 42.1378,
46.0653

■ 9.1879, 4.1516,
40.3617

■ 46.8531, 50.9291,
47.4055

■ 8.4133, 3.4546,
40.2680

■ 54.3900, 60.7863,
48.9109

■ 62.7199, 71.7437,
50.5869

■ 71.8652, 83.8340,
52.4385

■ 80.0337, 93.4613,
53.8663

Harmonies

Analogous

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



16.2930, 16.8786, 47.9427



20.1980, 16.8786, 42.2377



23.3356, 16.8786, 29.9731

Triad

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



20.1980, 16.8786, 42.2377



19.6991, 16.8786, 5.4629



9.8299, 16.8786, 19.1006

Complementary

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



20.1980, 16.8786, 42.2377



31.9333, 38.6429, 18.8732

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.



10.4535, 16.8786, 10.2411



20.1980, 16.8786, 42.2377



15.7948, 16.8786, 4.4524

Square

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



20.1980, 16.8786, 42.2377



23.0172, 16.8786, 9.4269



12.5002, 16.8786, 5.7868



10.6418, 16.8786, 31.7180

Rectangle

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



20.1980, 16.8786, 42.2377



24.3512, 16.8786, 21.4364



12.5002, 16.8786, 5.7868



9.8782, 16.8786, 15.6251

Sweetspot

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



20.1986, 16.8792, 42.2381



59.7761, 59.7782, 81.0247



25.9202, 31.1412, 44.6894



13.0061, 12.9284, 17.9543



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.



20.1986, 16.8792, 42.2381



31.3836, 24.1975, 75.6534



25.7277, 19.7296, 42.4969



7.7334, 7.8369, 10.0578



6.1444, 2.5274, 29.2085



0.2157, 0.0934, 0.8146

Inverse Universe

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



28.6644, 21.4031, 35.4219



48.9949, 33.6237, 60.7876



26.0927, 35.6320, 18.5998



8.2625, 8.1182, 9.6930



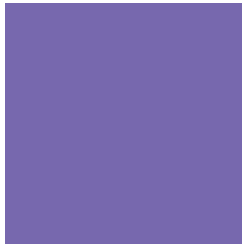
15.9432, 7.8398, 17.8784



0.4617, 0.2253, 0.5928

Previews

White Background



This preview shows how the XYZ color 20.1980, 16.8786, 42.2377 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 20.1980, 16.8786, 42.2377 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 20.1980, 16.8786, 42.2377

Background



This preview shows how black text looks on a background with the XYZ color 20.1980, 16.8786, 42.2377.

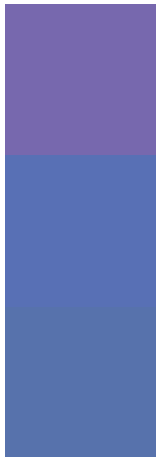


This preview shows how white text looks on a background with the XYZ color 20.1980, 16.8786,

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

20.1980, 16.8786, 42.2377

Protanopia

18.1592, 16.9992, 46.0402

Deuteranopia

17.3942, 17.0394, 41.4019



Tritanopia

16.0755, 16.9679, 21.4966

Trichromacy



Original Color

20.1980, 16.8786, 42.2377

Protanomaly

18.6501, 16.8043, 44.3801

Deuteranomaly

18.2643, 16.8216, 41.8194

Tritanomaly

17.3770, 16.8326, 27.9243

Monochromacy



Original Color

20.1980, 16.8786, 42.2377

Achromatopsia

16.6002, 17.4647, 19.0191

Achromatomaly

17.6456, 17.1764, 26.0523

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.1980, 16.8786, 42.2377 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(119, 104, 174)` looks like.

```
.text, #text, p{  
    color:rgb(119, 104, 174)  
}
```

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(119, 104, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 104, 174) }
```

Border

The CSS property to change the border of an element to XYZ 20.1980, 16.8786, 42.2377 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(119, 104, 174) }
```


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

```
.border{ border-color:rgb(119, 104, 174) }
```

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

Here you see how a box with a 4 pixel `rgb(119, 104, 174)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(119, 104, 174); -webkit-box-  
shadow:4px 4px 4px 4px rgb(119, 104, 174);  
box-shadow:4px 4px 4px 4px rgb(119, 104,  
174) }
```

Background

The CSS property to change the background color of an element to XYZ 20.1980, 16.8786, 42.2377 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 104, 174) }
```

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

```
.background{ background-color: rgb(119,  
104, 174) }
```

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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