

Converting Colors

XYZ(20.9792, 19.3416, 44.2226)

Have a look what the booklet for
XYZ(20.9792, 19.3416, 44.2226)
contains.

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Color

**XYZ(20.9792, 19.3416,
44.2226)**

Conversions

Conversions Part 1

Format	Color
Hex	7075B1
RGB	112, 117, 177
RGB Percent	44%, 46%, 69%
CMY	0.5608, 0.5412, 0.3059
CMYK	0.37, 0.34, 0.00, 0.31
HSL	235°, 29%, 57%
HSV	235°, 37%, 69%
XYZ	20.9792, 19.3416, 44.2226
YIQ	122.3450, -22.2400, 17.6000

Conversions

Conversions Part 2

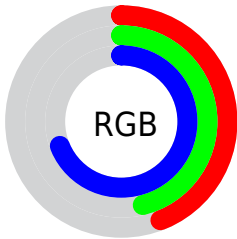
Format	Color
R_{YB}	112, 117, 177
Decimal	7370161
CIE _{Lab}	51.08, 13.01, -32.45
CIE _{LCh}	51, 34.962, 291.854
Yxy	19.3416, 0.2481, 0.2288
Android (android.graphics.Color)	4285560241 (0xFF7075B1)
YUV	122.3450, 26.9449, -9.0726
Hunter-Lab	43.9791, 8.1859, -28.8329

Details

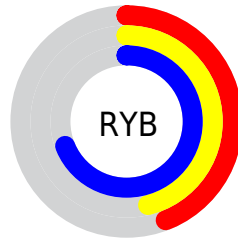
The XYZ color **20.9792, 19.3416, 44.2226** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **35.8093, 40.0229, 21.1680**, and the grayscale version is **18.5318, 19.4969, 21.2321**.

A 20% lighter version of the original color is **44.6218, 42.3661, 82.9164**, and **7.6297, 6.6721, 19.9545** is the 20% darker color. If you saturate the color by 10%, you get **17.2042, 14.8122, 43.5477**, and if you desaturate by 10%, it is **25.5306, 24.7653, 45.0299**.

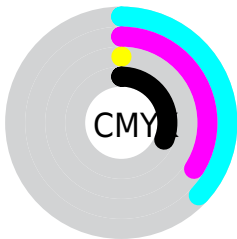
Distribution



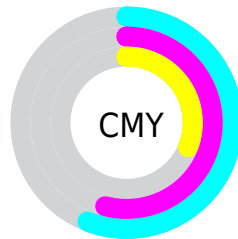
- Red (44%)
- Green (46%)
- Blue (69%)



- Red (44%)
- Yellow (46%)
- Blue (69%)



- Cyan (37%)
- Magenta (34%)
- Yellow (0%)
- Black (31%)



- Cyan (56%)
- Magenta (54%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.9792, 19.3416, 44.2226 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 20.9792, 19.3416, 44.2226 by changing the saturation by 10% instead.

■ 20.9792, 19.3416,
44.2226

■ 20.9792, 19.3416,
44.2226

249.9017,
248.3281, 379.6838

■ 13.2212, 11.9174,
30.5071

■ 44.5445, 42.3105,
82.8586

■ 7.6591, 6.6874,
19.9685

■ 61.0824, 58.6240,
108.6162

■ 3.9275, 3.2674,
12.1883

■ 81.2777, 78.6694,
139.2249

■ 1.6612, 1.2729,
6.7479

■ 105.4957,
102.8310, 175.1033

■ 0.4318, 0.1201,
3.2289

134.1017,
131.4933, 216.6698

■ 0.0000, 0.0000,
1.2127

167.4612,

■ 0.0000, 0.0000,

165.0407, 264.3430

0.0000

205.9394,
203.8575, 318.5415

■ 20.9792, 19.3416,
44.2226

■ 20.9792, 19.3416,
44.2226

■ 17.2042, 14.8122,
43.5477

■ 25.5306, 24.7653,
45.0299

■ 14.1601, 11.1268,
42.9967

■ 30.8962, 31.1253,
45.9748

■ 11.8000, 8.2337,
42.5627

■ 37.1140, 38.4639,
47.0635

■ 10.0707, 6.0745,
42.2371

■ 44.2188, 46.8199,
48.3019

■ 8.9110, 4.5828,
42.0103

■ 52.2436, 56.2302,
49.6954

■ 8.2409, 3.6765,
41.8707

■ 61.2196, 66.7298,
51.2489

■ 8.0878, 3.4781,
41.8404

■ 71.1766, 78.3519,
52.9674

■ 82.1431, 91.1286,
54.8555

■ 84.9359, 95.9544,
55.6398

Harmonies

Analogous

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



17.4548, 19.3416, 46.1854



20.9792, 19.3416, 44.2226



24.1423, 19.3416, 35.1951

Triad

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



20.9792, 19.3416, 44.2226



22.8177, 19.3416, 9.3282



12.5412, 19.3416, 18.4679

Complementary

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



20.9792, 19.3416, 44.2226



35.8093, 40.0229, 21.1680

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.



13.6223, 19.3416, 11.3291



20.9792, 19.3416, 44.2226



19.3448, 19.3416, 7.2475

Square

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



20.9792, 19.3416, 44.2226



25.2932, 19.3416, 14.7208



16.0115, 19.3416, 7.8424



12.8631, 19.3416, 28.9984

Rectangle

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



20.9792, 19.3416, 44.2226



25.4762, 19.3416, 27.5850



16.0115, 19.3416, 7.8424



12.7472, 19.3416, 15.6543

Sweetspot

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



20.9799, 19.3423, 44.2231



61.3032, 62.7958, 83.3851



29.8113, 37.8521, 44.5557



12.9689, 13.2353, 18.0155



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.



20.9799, 19.3423, 44.2231



32.0378, 28.0038, 78.2120



24.3921, 20.2597, 44.2203



8.0927, 8.3317, 10.6880



5.8784, 2.5572, 30.3208



0.2022, 0.1149, 0.9598

Inverse Universe

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



27.1372, 22.2206, 19.6889



44.7244, 34.1005, 27.6241



31.2098, 39.0908, 21.2305



8.5220, 8.5155, 8.9813



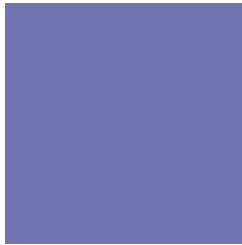
13.2018, 6.7983, 0.9568



0.4241, 0.2174, 0.0759

Previews

White Background



This preview shows how the XYZ color 20.9792, 19.3416, 44.2226 looks on a white background.

Color Contrast Check

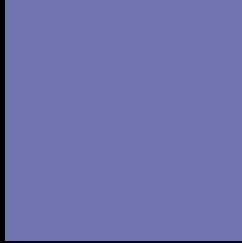
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 20.9792, 19.3416, 44.2226 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 20.9792, 19.3416, 44.2226

Background



This preview shows how black text looks on a background with the XYZ color 20.9792, 19.3416, 44.2226.



This preview shows how white text looks on a background with the XYZ color 20.9792, 19.3416,

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

20.9792, 19.3416, 44.2226

Protanopia

20.3326, 19.5124, 45.3424

Deuteranopia

19.8194, 19.4620, 43.7862



Tritanopia

17.1863, 19.2413, 25.7298

Trichromacy



Original Color

20.9792, 19.3416, 44.2226

Protanomaly

20.5766, 19.4722, 44.7935

Deuteranomaly

20.2619, 19.5106, 43.7723

Tritanomaly

18.4084, 19.1852, 31.5871

Monochromacy



Original Color

20.9792, 19.3416, 44.2226

Achromatopsia

18.4984, 19.4618, 21.1939

Achromatomaly

19.0702, 19.2375, 28.2993

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.9792, 19.3416, 44.2226 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(112, 117, 177)` looks like.

```
.text, #text, p{  
    color:rgb(112, 117, 177)  
}
```

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(112, 117, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 117, 177) }
```

Border

The CSS property to change the border of an element to XYZ 20.9792, 19.3416, 44.2226 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(112, 117, 177) }
```


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

```
.border{ border-color:rgb(112, 117, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(112, 117, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 117, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 117, 177);  
box-shadow:4px 4px 4px 4px rgb(112, 117,  
177) }
```

Background

The CSS property to change the background color of an element to XYZ 20.9792, 19.3416, 44.2226 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 117, 177) }
```

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

```
.background{ background-color: rgb(112,  
117, 177) }
```

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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