

Converting Colors

XYZ(20.7772, 19.8286, 41.0563)

Have a look what the booklet for
XYZ(20.7772, 19.8286, 41.0563)
contains.

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Color

**XYZ(20.8772, 19.8839,
41.2657)**

Conversions

Conversions Part 1

Format	Color
Hex	7178AB
RGB	113, 120, 171
RGB Percent	44%, 47%, 67%
CMY	0.5569, 0.5294, 0.3294
CMYK	0.34, 0.30, 0.00, 0.33
HSL	233°, 26%, 56%
HSV	233°, 34%, 67%
XYZ	20.8772, 19.8839, 41.2657
YIQ	123.7210, -20.5430, 14.3770

Conversions

Conversions Part 2

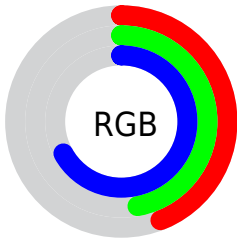
Format	Color
R_{YB}	113, 119, 171
Decimal	7436459
CIE Lab	51.71, 9.85, -28.00
CIE LCh	52, 29.682, 289.374
Yxy	19.8839, 0.2545, 0.2424
Android (android.graphics.Color)	4285626539 (0xFF7178AB)
YUV	123.7210, 23.3085, -9.4023
Hunter-Lab	44.5914, 5.5369, -23.6541

Details

The XYZ color **20.8772, 19.8839, 41.2657** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **33.0512, 36.4016, 20.9078**, and the grayscale version is **18.9958, 19.9851, 21.7638**.

A 20% lighter version of the original color is **44.3435, 43.1581, 78.6662**, and **7.6337, 6.9908, 18.3998** is the 20% darker color. If you saturate the color by 10%, you get **17.2125, 15.5180, 40.6165**, and if you desaturate by 10%, it is **25.2418, 25.0330, 42.0299**.

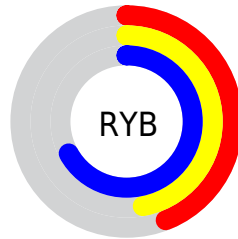
Distribution



Red (44%)

Green (47%)

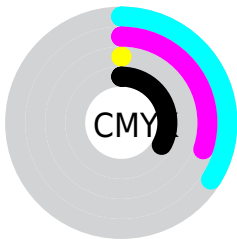
Blue (67%)



Red (44%)

Yellow (47%)

Blue (67%)

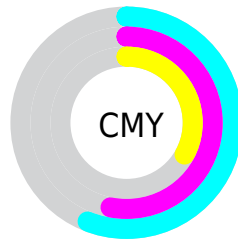


Cyan (34%)

Magenta (30%)

Yellow (0%)

Black (33%)



Cyan (56%)

Magenta (53%)

Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.8772, 19.8839, 41.2657 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 20.8772, 19.8839, 41.2657 by changing the saturation by 10% instead.

■ 20.8772, 19.8839,
41.2657

■ 20.8772, 19.8839,
41.2657

249.3692,
251.2859, 367.1394

■ 13.1462, 12.3107,
28.2055

■ 44.3759, 43.2224,
78.3451

■ 7.6070, 6.9556,
18.2402

■ 60.8743, 59.7566,
103.2014

■ 3.8942, 3.4344,
10.9514

■ 81.0259, 80.0464,
132.8268

■ 1.6425, 1.3625,
5.9204

105.1961,
104.4765, 167.6399

■ 0.4198, 0.1888,
2.7287

133.7501,
133.4310, 208.0591

■ 0.0000, 0.0000,
0.9578

167.0534,

■ 0.0000, 0.0000,

167.2945, 254.5031

0.0000

205.4714,
206.4513, 307.3903

■ 20.8772, 19.8839,
41.2657

■ 20.8772, 19.8839,
41.2657

■ 17.2125, 15.5180,
40.6165

■ 25.2418, 25.0330,
42.0299

■ 14.2090, 11.8946,
40.0754

■ 30.3381, 30.9987,
42.9128

■ 11.8276, 8.9725,
39.6369

■ 36.1984, 37.8155,
43.9197

■ 10.0239, 6.7060,
39.2945

■ 42.8525, 45.5150,
45.0551

■ 8.7477, 5.0433,
39.0408

■ 50.3286, 54.1272,
46.3234

■ 7.9398, 3.9251,
38.8676

■ 58.6535, 63.6808,
47.7287

■ 7.6123, 3.4634,
38.7957

■ 67.8528, 74.2032,
49.2749

■ 77.9510, 85.7207,
50.9657

■ 84.3508, 95.7203,
52.5585

Harmonies

Analogous

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



17.8555, 19.8839, 42.2760



20.8772, 19.8839, 41.2657



23.6222, 19.8839, 34.2819

Triad

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



20.8772, 19.8839, 41.2657



22.9079, 19.8839, 11.3792



13.7791, 19.8839, 18.7453

Complementary

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



20.8772, 19.8839, 41.2657



33.0512, 36.4016, 20.9078

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.



14.8516, 19.8839, 12.5790



20.8772, 19.8839, 41.2657



19.9825, 19.8839, 9.1371

Square

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



20.8772, 19.8839, 41.2657



24.8777, 19.8839, 16.6209



17.0500, 19.8839, 9.5088



13.9643, 19.8839, 27.6036

Rectangle

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



20.8772, 19.8839, 41.2657



24.8259, 19.8839, 28.0046



17.0500, 19.8839, 9.5088



13.9996, 19.8839, 16.3380

Sweetspot

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



20.8779, 19.8847, 41.2662



58.0957, 59.9011, 77.5020



28.0083, 35.2909, 40.1118



12.6444, 12.9959, 17.2297



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



20.8779, 19.8847, 41.2662



32.1615, 29.3896, 72.9795



23.1306, 19.8416, 41.1391



7.6539, 7.9072, 10.0755



5.7602, 2.6543, 29.2532



0.1842, 0.1218, 0.8218

Inverse Universe

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



26.0905, 21.8250, 20.6075



43.0527, 33.6584, 29.7672



30.0727, 36.7773, 21.1373



8.0431, 8.0305, 8.5378



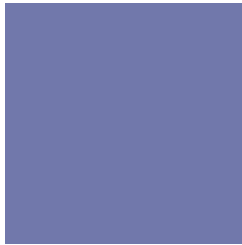
12.7711, 6.5710, 1.1743



0.3674, 0.1876, 0.0964

Previews

White Background



This preview shows how the XYZ color 20.8772, 19.8839, 41.2657 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 20.8772, 19.8839, 41.2657 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

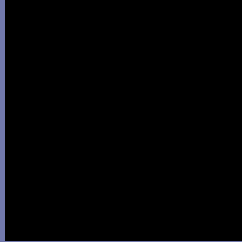
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 20.8772, 19.8839, 41.2657

Background



This preview shows how black text looks on a background with the XYZ color 20.8772, 19.8839, 41.2657.



This preview shows how white text looks on a background with the XYZ color 20.8772, 19.8839,

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

20.8772, 19.8839, 41.2657

Protanopia

20.4681, 19.8414, 41.7807

Deuteranopia

20.3736, 19.9851, 41.3118



Tritanopia

17.9304, 19.9881, 26.5800

Trichromacy



Original Color

20.8772, 19.8839, 41.2657

Protanomaly

20.7142, 19.9683, 41.7922

Deuteranomaly

20.4947, 19.8662, 41.2825

Tritanomaly

18.8168, 19.7734, 31.2587

Monochromacy



Original Color

20.8772, 19.8839, 41.2657

Achromatopsia

19.1579, 20.1556, 21.9495

Achromatomaly

19.6364, 20.0821, 28.0406

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.8772, 19.8839, 41.2657 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(113, 120, 171)` looks like.

```
.text, #text, p{  
    color:rgb(113, 120, 171)  
}
```

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(113, 120, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(113, 120, 171) }
```

Border

The CSS property to change the border of an element to XYZ 20.8772, 19.8839, 41.2657 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(113, 120, 171) }
```


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

```
.border{ border-color:rgb(113, 120, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(113, 120, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(113, 120, 171); -webkit-box-shadow:4px 4px 4px 4px rgb(113, 120, 171); box-shadow:4px 4px 4px 4px rgb(113, 120, 171) }
```

Background

The CSS property to change the background color of an element to XYZ 20.8772, 19.8839, 41.2657 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(113, 120, 171) }
```

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

```
.background{ background-color: rgb(113,  
120, 171) }
```

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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