

Converting Colors

XYZ(21.6939, 20.2345, 41.2154)

Have a look what the booklet for
XYZ(21.6939, 20.2345, 41.2154)
contains.

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Color

**XYZ(21.8129, 20.3663,
41.3095)**

Conversions

Conversions Part 1

Format	Color
Hex	7878AB
RGB	120, 120, 171
RGB Percent	47%, 47%, 67%
CMY	0.5294, 0.5294, 0.3294
CMYK	0.30, 0.30, 0.00, 0.33
HSL	240°, 23%, 57%
HSV	240°, 30%, 67%
XYZ	21.8129, 20.3663, 41.3095
YIQ	125.8140, -16.3710, 15.8610

Conversions

Conversions Part 2

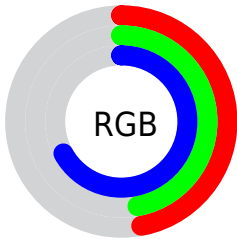
Format	Color
R_{YB}	120, 120, 171
Decimal	7895211
CIE _{Lab}	52.25, 11.95, -27.12
CIE _{LCh}	52, 29.631, 293.777
Yxy	20.3663, 0.2613, 0.2439
Android (android.graphics.Color)	4286085291 (0xFF7878AB)
YUV	125.8140, 22.2767, -5.0989
Hunter-Lab	45.1290, 7.3013, -22.6816

Details

The XYZ color **21.8129, 20.3663, 41.3095** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **34.7481, 39.1402, 23.4935**, and the grayscale version is **19.6994, 20.7253, 22.5699**.

A 20% lighter version of the original color is **45.8512, 43.9353, 78.7368**, and **8.1729, 7.2687, 18.4250** is the 20% darker color. If you saturate the color by 10%, you get **17.7736, 15.4992, 40.5833**, and if you desaturate by 10%, it is **26.6443, 26.1878, 42.1789**.

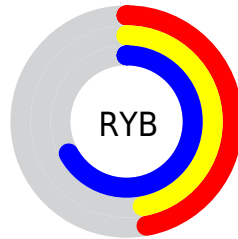
Distribution



Red (47%)

Green (47%)

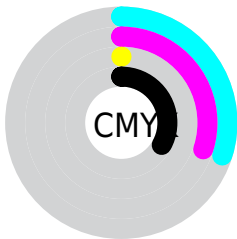
Blue (67%)



Red (47%)

Yellow (47%)

Blue (67%)

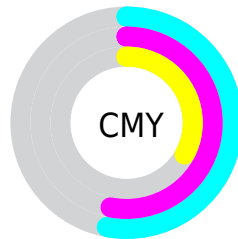


Cyan (30%)

Magenta (30%)

Yellow (0%)

Black (33%)



Cyan (53%)

Magenta (53%)

Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.8129, 20.3663, 41.3095 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 21.8129, 20.3663, 41.3095 by changing the saturation by 10% instead.

■ 21.8129, 20.3663,
41.3095

■ 21.8129, 20.3663,
41.3095

254.2184,
253.8913, 367.3274

■ 13.8353, 12.6616,
28.2395

■ 45.9177, 44.0305,
78.4123

■ 8.0871, 7.1959,
18.2656

■ 62.7757, 60.7587,
103.2821

■ 4.2030, 3.5849,
10.9695

■ 83.3245, 81.2636,
132.9223

■ 1.8176, 1.4442,
5.9324

107.9295,
105.9295, 167.7514

■ 0.5283, 0.2490,
2.7359

136.9560,
135.1408, 208.1879

■ 0.0000, 0.0000,
0.9614

170.7694,

■ 0.0000, 0.0000,

169.2820, 254.6503

0.0000

209.7351,
208.7373, 307.5573

■ 21.8129, 20.3663,
41.3095

■ 21.8129, 20.3663,
41.3095

■ 17.7736, 15.4992,
40.5833

■ 26.6443, 26.1878,
42.1789

■ 14.4824, 11.5334,
39.9913

■ 32.3048, 33.0084,
43.1970

■ 11.8938, 8.4144,
39.5257

■ 38.8315, 40.8725,
44.3710

■ 9.9569, 6.0805,
39.1773

■ 46.2585, 49.8216,
45.7069

■ 8.6136, 4.4620,
38.9357

■ 54.6183, 59.8946,
47.2106

■ 7.7959, 3.4767,
38.7886

■ 63.9416, 71.1286,
48.8875

■ 7.3578, 2.9488,
38.7098

■ 74.2578, 83.5589,
50.7431

■ 7.3508, 2.9403,
38.7085

■ 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.



18.7304, 20.3663, 43.3452



21.8129, 20.3663, 41.3095



24.4701, 20.3663, 33.6208

Triad

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



21.8129, 20.3663, 41.3095



23.0239, 20.3663, 11.2207



14.1055, 20.3663, 20.4086

Complementary

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



21.8129, 20.3663, 41.3095



34.7481, 39.1402, 23.4935

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.



15.0119, 20.3663, 13.6761



21.8129, 20.3663, 41.3095



19.9986, 20.3663, 9.3431

Square

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



21.8129, 20.3663, 41.3095



25.2189, 20.3663, 16.0840



17.0937, 20.3663, 10.1066



14.4830, 20.3663, 29.6383

Rectangle

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



21.8129, 20.3663, 41.3095



25.5346, 20.3663, 27.1926



17.0937, 20.3663, 10.1066



14.2668, 20.3663, 17.8168

Sweetspot

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



21.8136, 20.3671, 41.3100



58.5835, 59.9926, 77.4939



29.5791, 36.0273, 43.5000



12.7192, 12.9627, 17.2194



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.



21.8136, 20.3671, 41.3100



33.9879, 30.3566, 73.0699



25.6833, 22.3620, 41.4911



7.5789, 7.7572, 10.0505



5.5413, 2.2165, 29.1803



0.1542, 0.0617, 0.8118

Inverse Universe

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



26.9018, 23.4477, 20.8781



44.6302, 36.7997, 30.3357



29.8700, 36.6255, 23.2652



8.0053, 8.0154, 8.3386



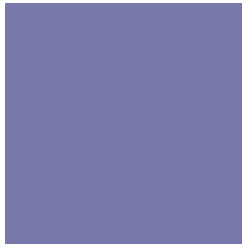
12.6607, 6.5268, 0.5925



0.3522, 0.1816, 0.0165

Previews

White Background



This preview shows how the XYZ color 21.8129, 20.3663, 41.3095 looks on a white background.

Color Contrast Check

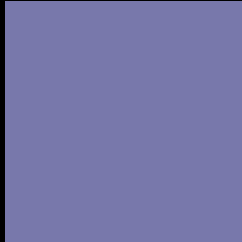
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.8129, 20.3663, 41.3095 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 21.8129, 20.3663, 41.3095

Background



This preview shows how black text looks on a background with the XYZ color 21.8129, 20.3663, 41.3095.



This preview shows how white text looks on a background with the XYZ color 21.8129, 20.3663,

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

21.8129, 20.3663, 41.3095

Protanopia

20.9325, 20.4343, 42.3761

Deuteranopia

20.7691, 20.3832, 40.8699



Tritanopia

18.9148, 20.4956, 26.6260

Trichromacy



Original Color

21.8129, 20.3663, 41.3095

Protanomaly

21.2160, 20.4083, 41.8507

Deuteranomaly

21.1547, 20.3988, 40.8526

Tritanomaly

19.8349, 20.2982, 31.3063

Monochromacy



Original Color

21.8129, 20.3663, 41.3095

Achromatopsia

19.8309, 20.8637, 22.7206

Achromatomaly

20.4023, 20.6534, 28.5024

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.8129, 20.3663, 41.3095 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(120, 120, 171)` looks like.

```
.text, #text, p{  
    color:rgb(120, 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(120, 120, 171) colored shadow looks like.

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

Border

The CSS property to change the border of an element to XYZ 21.8129, 20.3663, 41.3095 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(120, 120, 171) }
```


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

```
.border{ border-color:rgb(120, 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(120, 120, 171)` colored shadow looks like.

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

Background

The CSS property to change the background color of an element to XYZ 21.8129, 20.3663, 41.3095 is called "background". The background property can be set on classes, ids or directly on the HTML element.

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

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

```
.background{ background-color: rgb(120,  
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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