

Converting Colors

XYZ(20.8583, 17.1148, 40.2343)

Have a look what the booklet for
XYZ(20.8583, 17.1148, 40.2343)
contains.

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Color

**XYZ(20.8583, 17.1148,
40.2343)**

Conversions

Conversions Part 1

Format	Color
Hex	7F67AA
RGB	127, 103, 170
RGB Percent	50%, 40%, 67%
CMY	0.5020, 0.5961, 0.3333
CMYK	0.25, 0.39, 0.00, 0.33
HSL	261°, 28%, 54%
HSV	261°, 39%, 67%
XYZ	20.8583, 17.1148, 40.2343
YIQ	117.8140, -7.2030, 25.9250

Conversions

Conversions Part 2

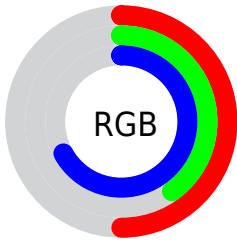
Format	Color
R_{YB}	127, 103, 170
Decimal	8349610
CIE _{Lab}	48.40, 23.98, -32.48
CIE _{LCh}	48, 40.373, 306.447
Yxy	17.1148, 0.2667, 0.2188
Android (android.graphics.Color)	4286539690 (0xFF7F67AA)
YUV	117.8140, 25.7277, 8.0561
Hunter-Lab	41.3700, 17.6001, -28.7033

Details

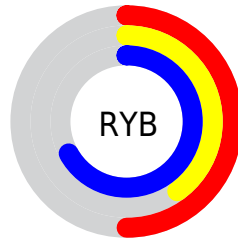
The XYZ color **20.8583, 17.1148, 40.2343** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **28.6774, 35.8401, 18.2390**, and the grayscale version is **17.0860, 17.9758, 19.5757**.

A 20% lighter version of the original color is **44.3391, 38.4259, 77.0315**, and **7.6056, 5.6492, 17.5192** is the 20% darker color. If you saturate the color by 10%, you get **17.7983, 13.2775, 39.6552**, and if you desaturate by 10%, it is **24.4393, 21.7317, 40.9370**.

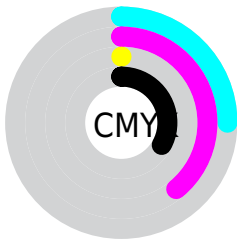
Distribution



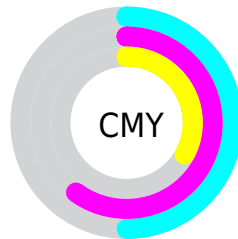
- Red (50%)
- Green (40%)
- Blue (67%)



- Red (50%)
- Yellow (40%)
- Blue (67%)



- Cyan (25%)
- Magenta (39%)
- Yellow (0%)
- Black (33%)



- Cyan (50%)
- Magenta (60%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.8583, 17.1148, 40.2343 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 20.8583, 17.1148, 40.2343 by changing the saturation by 10% instead.

■ 20.8583, 17.1148,
40.2343

■ 20.8583, 17.1148,
40.2343

249.2705,
235.8331, 362.6915

■ 13.1323, 10.3164,
27.4061

■ 44.3446, 38.5231,
76.7612

■ 7.5974, 5.6092,
17.6433

■ 60.8357, 53.9017,
101.2969

■ 3.8880, 2.6090,
10.5274

■ 80.9792, 72.9091,
130.5722

■ 1.6390, 0.9312,
5.6399

■ 105.1405, 95.9298,
165.0056

■ 0.4176, 0.0000,
2.5621

133.6849,
123.3482, 205.0158

■ 0.0000, 0.0000,
0.8728

166.9778,

■ 0.0000, 0.0000,

155.5486, 251.0211

0.0000

205.3845,
192.9154, 303.4402

■ 20.8583, 17.1148,
40.2343

■ 20.8583, 17.1148,
40.2343

■ 17.7983, 13.2775,
39.6552

■ 24.4393, 21.7317,
40.9370

■ 15.2310, 10.1731,
39.1913

■ 28.5639, 27.1673,
41.7688

■ 13.1277, 7.7525,
38.8349

■ 33.2557, 33.4605,
42.7362

■ 11.4560, 5.9599,
38.5770

■ 38.5363, 40.6472,
43.8451

■ 10.1782, 4.7300,
38.4070

■ 44.4259, 48.7609,
45.1008

■ 9.2244, 3.9333,
38.3035

■ 50.9439, 57.8336,
46.5084

■ 9.1738, 3.8911,
38.2980

■ 58.1087, 67.8957,
48.0730

■ 65.9382, 78.9762,
49.7991

■ 74.1283, 90.4614,
51.5843

Harmonies

Analogous

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



17.0771, 17.1148, 47.0092



20.8583, 17.1148, 40.2343



23.6792, 17.1148, 27.9948

Triad

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



20.8583, 17.1148, 40.2343



19.2713, 17.1148, 5.5224



10.1847, 17.1148, 21.0118

Complementary

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



20.8583, 17.1148, 40.2343



28.6774, 35.8401, 18.2390

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.



10.5898, 17.1148, 11.6356



20.8583, 17.1148, 40.2343



15.4831, 17.1148, 4.8556

Square

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



20.8583, 17.1148, 40.2343



22.6703, 17.1148, 8.9801



12.4045, 17.1148, 6.6003



11.1997, 17.1148, 33.5067

Rectangle

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



20.8583, 17.1148, 40.2343



24.4289, 17.1148, 19.9234



12.4045, 17.1148, 6.6003



10.1618, 17.1148, 17.4035

Sweetspot

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



20.8589, 17.1155, 40.2347



57.8428, 57.3440, 77.0217



23.2136, 26.5142, 41.9247



12.6566, 12.4618, 17.1260



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.



20.8589, 17.1155, 40.2347



33.0981, 25.0859, 72.0995



26.5936, 20.0718, 40.5031



7.3760, 7.4264, 9.4630



6.8045, 2.8913, 28.1749



0.2213, 0.0991, 0.6881

Inverse Universe

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



26.6166, 20.3225, 29.7145



45.2116, 31.8459, 49.3866



23.6399, 33.2431, 18.0033



7.7261, 7.6203, 8.8749



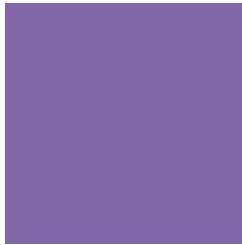
14.2566, 7.1114, 11.4289



0.3699, 0.1823, 0.3996

Previews

White Background



This preview shows how the XYZ color 20.8583, 17.1148, 40.2343 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 20.8583, 17.1148, 40.2343 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 20.8583, 17.1148, 40.2343

Background



This preview shows how black text looks on a background with the XYZ color 20.8583, 17.1148, 40.2343.



This preview shows how white text looks on a background with the XYZ color 20.8583, 17.1148,

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

20.8583, 17.1148, 40.2343

Protanopia

18.2554, 17.2488, 44.4867

Deuteranopia

17.5994, 17.1889, 39.4360



Tritanopia

16.8892, 17.0669, 20.8164

Trichromacy



Original Color

20.8583, 17.1148, 40.2343

Protanomaly

18.9154, 16.9755, 42.8371

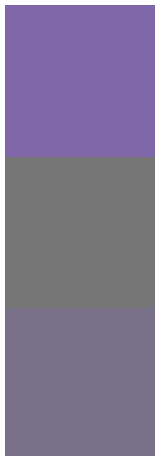
Deuteranomaly

18.5631, 17.0197, 39.8429

Tritanomaly

18.0140, 16.8663, 26.7322

Monochromacy



Original Color

20.8583, 17.1148, 40.2343

Achromatopsia

17.2197, 18.1164, 19.7288

Achromatomaly

18.3056, 17.6813, 26.1149

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.8583, 17.1148, 40.2343 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, 103, 170)` looks like.

```
.text, #text, p{  
    color:rgb(127, 103, 170)  
}
```

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, 103, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 103, 170) }
```

Border

The CSS property to change the border of an element to XYZ 20.8583, 17.1148, 40.2343 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, 103, 170) }
```


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

```
.border{ border-color:rgb(127, 103, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(127, 103, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 103, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 103, 170);  
box-shadow:4px 4px 4px 4px rgb(127, 103,  
170) }
```

Background

The CSS property to change the background color of an element to XYZ 20.8583, 17.1148, 40.2343 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 103, 170) }
```

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

```
.background{ background-color: rgb(127,  
103, 170) }
```

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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