

Converting Colors

XYZ(20.8517, 16.8012, 42.1959)

Have a look what the booklet for
XYZ(20.8517, 16.8012, 42.1959)
contains.

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Color

**XYZ(20.8978, 16.7990,
42.1855)**

Conversions

Conversions Part 1

Format	Color
Hex	7E65AE
RGB	126, 101, 174
RGB Percent	49%, 40%, 68%
CMY	0.5059, 0.6039, 0.3176
CMYK	0.28, 0.42, 0.00, 0.32
HSL	261°, 31%, 54%
HSV	261°, 42%, 68%
XYZ	20.8978, 16.7990, 42.1855
YIQ	116.7970, -8.5330, 28.0030

Conversions

Conversions Part 2

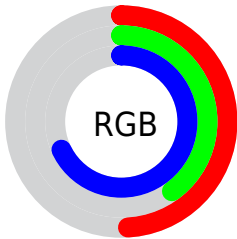
Format	Color
R_{YB}	126, 101, 174
Decimal	8283566
CIE _{Lab}	48.01, 25.89, -35.45
CIE _{LCh}	48, 43.897, 306.147
Yxy	16.7990, 0.2616, 0.2103
Android (android.graphics.Color)	4286473646 (0xFF7E65AE)
YUV	116.7970, 28.2011, 8.0710
Hunter-Lab	40.9866, 19.2851, -32.3337

Details

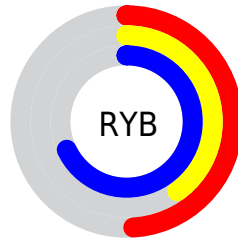
The XYZ color **20.8978, 16.7990, 42.1855** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **29.8800, 37.6017, 17.9956**, and the grayscale version is **16.7638, 17.6368, 19.2065**.

A 20% lighter version of the original color is **44.3336, 37.8729, 79.8365**, and **7.5944, 5.4747, 18.7456** is the 20% darker color. If you saturate the color by 10%, you get **17.7922, 12.9503, 41.6066**, and if you desaturate by 10%, it is **24.5553, 21.4638, 42.8934**.

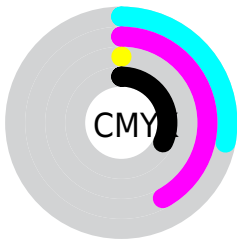
Distribution



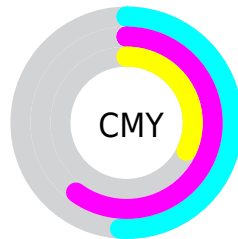
- Red (49%)
- Green (40%)
- Blue (68%)



- Red (49%)
- Yellow (40%)
- Blue (68%)



- Cyan (28%)
- Magenta (42%)
- Yellow (0%)
- Black (32%)



- Cyan (51%)
- Magenta (60%)
- Yellow (32%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.8978, 16.7990, 42.1855 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 20.8978, 16.7990, 42.1855 by changing the saturation by 10% instead.

■ 20.8978, 16.7990,
42.1855

■ 20.8978, 16.7990,
42.1855

249.4769,
234.0114, 371.0736

■ 13.1614, 10.0913,
28.9199

■ 44.4099, 37.9799,
79.7534

■ 7.6175, 5.4595,
18.7752

■ 60.9163, 53.2218,
104.8928

■ 3.9009, 2.5193,
11.3328

■ 81.0768, 72.0773,
134.8273

■ 1.6462, 0.8863,
6.1742

■ 105.2566, 94.9307,
169.9752

■ 0.4223, 0.0000,
2.8808

133.8212,
122.1664, 210.7553

■ 0.0000, 0.0000,
1.0341

167.1358,

■ 0.0000, 0.0000,

154.1688, 257.5861

0.0000

205.5659,
191.3224, 310.8860

■ 20.8978, 16.7990,
42.1855

■ 20.8978, 16.7990,
42.1855

■ 17.7922, 12.9503,
41.6066

■ 24.5553, 21.4638,
42.8934

■ 15.2073, 9.8668,
41.1477

■ 28.7897, 26.9875,
43.7364

■ 13.1117, 7.4949,
40.8003

■ 33.6268, 33.4121,
44.7216

■ 11.4689, 5.7729,
40.5545

■ 39.0901, 40.7763,
45.8550

■ 10.2369, 4.6279,
40.3984

■ 45.2018, 49.1165,
47.1427

■ 9.4788, 4.0039,
40.3179

■ 51.9830, 58.4671,
48.5902

■ 59.4538, 68.8609,
50.2026

■ 67.6334, 80.3292,
51.9851

■ 75.7044, 91.2295,
53.6637

Harmonies

Analogous

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



16.7970, 16.7990, 49.7085



20.8978, 16.7990, 42.1855



24.0012, 16.7990, 28.6144

Triad

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



20.8978, 16.7990, 42.1855



19.2517, 16.7990, 4.7099



9.5247, 16.7990, 20.7295

Complementary

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



20.8978, 16.7990, 42.1855



29.8800, 37.6017, 17.9956

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.



9.9615, 16.7990, 10.8080



20.8978, 16.7990, 42.1855



15.1647, 16.7990, 4.0405

Square

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



20.8978, 16.7990, 42.1855



22.9462, 16.7990, 8.2006



11.8800, 16.7990, 5.7206



10.5693, 16.7990, 34.4239

Rectangle

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



20.8978, 16.7990, 42.1855



24.8425, 16.7990, 19.7976



11.8800, 16.7990, 5.7206



9.5058, 16.7990, 16.8633

Sweetspot

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



20.8984, 16.7997, 42.1859



59.8122, 59.0237, 80.8771



23.8606, 27.5297, 44.1009



12.8553, 12.5337, 17.8860



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.



20.8984, 16.7997, 42.1859



32.8283, 24.1677, 75.5715



27.1606, 20.0279, 42.4790



7.8279, 7.8856, 10.0622



6.9331, 2.9340, 29.2454



0.2525, 0.1124, 0.8164

Inverse Universe

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



27.5346, 20.4766, 30.9356



46.7078, 31.8740, 51.3179



24.3171, 34.7339, 17.7353



8.2188, 8.1008, 9.4628



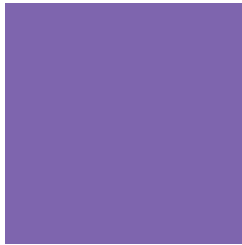
14.9093, 7.4263, 12.4336



0.4391, 0.2163, 0.4739

Previews

White Background



This preview shows how the XYZ color 20.8978, 16.7990, 42.1855 looks on a white background.

Color Contrast Check

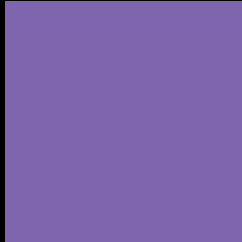
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.8978, 16.7990, 42.1855 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 20.8978, 16.7990, 42.1855

Background



This preview shows how black text looks on a background with the XYZ color 20.8978, 16.7990, 42.1855.



This preview shows how white text looks on a background with the XYZ color 20.8978, 16.7990,

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

20.8978, 16.7990, 42.1855

Protanopia

18.1792, 16.9857, 47.1202

Deuteranopia

17.2985, 17.0011, 40.8979



Tritanopia

16.5588, 16.9037, 20.4792

Trichromacy



Original Color

20.8978, 16.7990, 42.1855

Protanomaly

18.9676, 16.7871, 45.4206

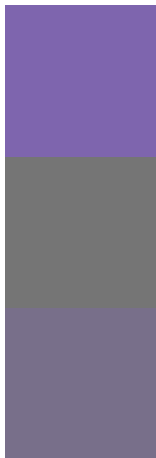
Deuteranomaly

18.2819, 16.6825, 41.2862

Tritanomaly

17.9480, 16.8238, 27.1123

Monochromacy



Original Color

20.8978, 16.7990, 42.1855

Achromatopsia

16.9083, 17.7888, 19.3720

Achromatomaly

18.0176, 17.1969, 26.4145

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.8978, 16.7990, 42.1855 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(126, 101, 174)` looks like.

```
.text, #text, p{  
    color:rgb(126, 101, 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(126, 101, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(126, 101, 174) }
```

Border

The CSS property to change the border of an element to XYZ 20.8978, 16.7990, 42.1855 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(126, 101, 174) }
```


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

```
.border{ border-color:rgb(126, 101, 174) }
```

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

Here you see how a box with a 4 pixel `rgb(126, 101, 174)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(126, 101, 174); -webkit-box-  
shadow:4px 4px 4px 4px rgb(126, 101, 174);  
box-shadow:4px 4px 4px 4px rgb(126, 101,  
174) }
```

Background

The CSS property to change the background color of an element to XYZ 20.8978, 16.7990, 42.1855 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(126, 101, 174) }
```

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

```
.background{ background-color: rgb(126,  
101, 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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