

Converting Colors

XYZ(28.3344, 20.7630, 43.5626)

Have a look what the booklet for
XYZ(28.3344, 20.7630, 43.5626)
contains.

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Color

**XYZ(28.3137, 20.7443,
43.5861)**

Conversions

Conversions Part 1

Format	Color
Hex	A666B0
RGB	166, 102, 176
RGB Percent	65%, 40%, 69%
CMY	0.3490, 0.6000, 0.3098
CMYK	0.06, 0.42, 0.00, 0.31
HSL	292°, 32%, 55%
HSV	292°, 42%, 69%
XYZ	28.3137, 20.7443, 43.5861
YIQ	129.5720, 14.3900, 36.5820

Conversions

Conversions Part 2

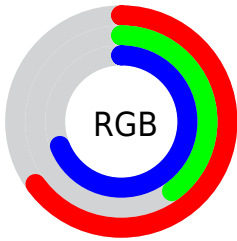
Format	Color
R_{YB}	166, 102, 176
Decimal	10905264
CIE _{Lab}	52.67, 37.95, -29.00
CIE _{LCh}	53, 47.761, 322.607
Yxy	20.7443, 0.3056, 0.2239
Android (android.graphics.Color)	4289095344 (0xFFA666B0)
YUV	129.5720, 22.8890, 31.9474
Hunter-Lab	45.5459, 31.2595, -24.8567

Details

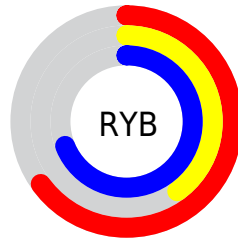
The XYZ color **28.3137, 20.7443, 43.5861** is a light color, and the websafe version is hex **996699**. A complement of this color would be **24.6064, 35.4553, 18.1180**, and the grayscale version is **20.9861, 22.0790, 24.0441**.

A 20% lighter version of the original color is **56.2453, 44.4670, 81.9625**, and **11.4852, 7.3308, 19.5485** is the 20% darker color. If you saturate the color by 10%, you get **26.2704, 17.3905, 43.0468**, and if you desaturate by 10%, it is **30.7348, 24.8390, 44.2492**.

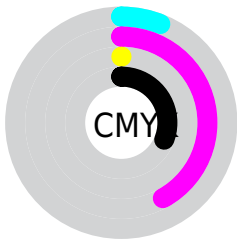
Distribution



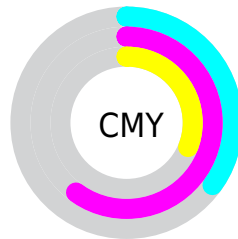
- Red (65%)
- Green (40%)
- Blue (69%)



- Red (65%)
- Yellow (40%)
- Blue (69%)



- Cyan (6%)
- Magenta (42%)
- Yellow (0%)
- Black (31%)





- Cyan (35%)
- Magenta (60%)
- Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 28.3137, 20.7443, 43.5861 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 28.3137, 20.7443, 43.5861 by changing the saturation by 10% instead.

 28.3137, 20.7443,
43.5861


 28.3137, 20.7443,
43.5861


286.0158,
255.9165, 377.0084


 18.7039, 12.9372,
30.0104


 56.3900, 44.6616,
81.8904


 11.5593, 7.3853,
19.5944


 75.5873, 61.5406,
107.4561

 6.5144, 3.7042,
11.9194


 98.7111, 82.2124,
137.8556

 3.2039, 1.5095,
6.5670

 126.1269,
107.0613, 173.5074

 1.2625, 0.2954,
3.1185

158.1998,
136.4718, 214.8300

 0.1549, 0.0000,
1.1554

195.2954,

 0.0000, 0.0000,

170.8282, 262.2420

0.0000

237.7790,
210.5150, 316.1620

■ 28.3137, 20.7443,
43.5861

■ 28.3137, 20.7443,
43.5861

■ 26.2704, 17.3905,
43.0468

■ 30.7348, 24.8390,
44.2492

■ 24.5793, 14.7281,
42.6220

■ 33.5531, 29.7147,
45.0417

■ 23.2149, 12.7055,
42.3035

■ 36.7890, 35.4119,
45.9708

■ 22.1473, 11.2631,
42.0814

■ 40.4610, 41.9673,
47.0426

■ 21.3409, 10.3295,
41.9437

■ 44.5864, 49.4156,
48.2629

■ 20.8261, 9.8310,
41.8746

■ 49.1816, 57.7894,
49.6370

■ 54.2622, 67.1199,
51.1702

■ 59.8429, 77.4365,
52.8673

■ 64.1896, 85.2708,
54.1504

Harmonies

Analogous

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



23.6182, 20.7443, 58.3865



28.3137, 20.7443, 43.5861



30.7777, 20.7443, 26.2902

Triad

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



28.3137, 20.7443, 43.5861



20.9707, 20.7443, 4.8775



12.1529, 20.7443, 34.8086

Complementary

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



28.3137, 20.7443, 43.5861



24.6064, 35.4553, 18.1180

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.



11.6853, 20.7443, 19.2490



28.3137, 20.7443, 43.5861



16.2707, 20.7443, 5.5832

Square

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



28.3137, 20.7443, 43.5861



26.0997, 20.7443, 7.0863



13.0643, 20.7443, 9.7214



14.4700, 20.7443, 52.0088

Rectangle

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



28.3137, 20.7443, 43.5861



30.5752, 20.7443, 17.1307



13.0643, 20.7443, 9.7214



11.7920, 20.7443, 29.0940

Sweetspot

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



28.3144, 20.7452, 43.5865



65.9871, 62.9216, 83.1625



19.2331, 17.7929, 43.4953



14.0151, 13.1316, 17.9403



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.



28.3144, 20.7452, 43.5865



48.0447, 32.1848, 78.1754



28.1696, 20.9389, 31.4540



8.7349, 8.5874, 10.7035



15.3163, 7.2316, 30.7256



0.5130, 0.2436, 0.9682

Inverse Universe

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



25.5812, 19.9036, 17.8237



42.6217, 30.5635, 24.8624



24.8952, 35.4319, 25.9154



8.5416, 8.5233, 9.0844



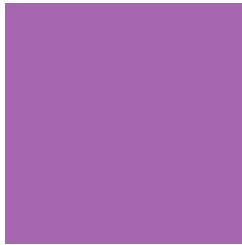
13.2692, 6.8253, 1.3118



0.4322, 0.2206, 0.1188

Previews

White Background



This preview shows how the XYZ color 28.3137, 20.7443, 43.5861 looks on a white background.

Color Contrast Check

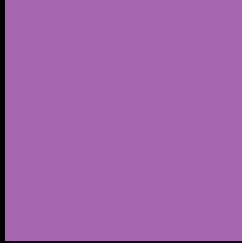
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.3137, 20.7443, 43.5861 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

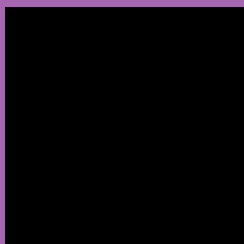
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 28.3137, 20.7443, 43.5861

Background



This preview shows how black text looks on a background with the XYZ color 28.3137, 20.7443, 43.5861.



This preview shows how white text looks on a background with the XYZ color 28.3137, 20.7443,

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

28.3137, 20.7443, 43.5861

Protanopia

22.3121, 21.0770, 53.9312

Deuteranopia

21.3361, 20.8386, 41.9274



Tritanopia

23.8282, 20.8107, 21.1733

Trichromacy



Original Color

28.3137, 20.7443, 43.5861



Protanomaly

23.6725, 20.4386, 49.7111



Deuteranomaly

23.3039, 20.4134, 42.2471



Tritanomaly

25.3587, 20.7862, 28.2668

Monochromacy



Original Color

28.3137, 20.7443, 43.5861



Achromatopsia

21.2178, 22.3228, 24.3095



Achromatomaly

23.3106, 21.3792, 30.5018

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.3137, 20.7443, 43.5861 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(166, 102, 176)` looks like.

```
.text, #text, p{  
    color:rgb(166, 102, 176)  
}
```

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(166, 102, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 102, 176) }
```

Border

The CSS property to change the border of an element to XYZ 28.3137, 20.7443, 43.5861 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(166, 102, 176) }
```


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

```
.border{ border-color:rgb(166, 102, 176) }
```

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

Here you see how a box with a 4 pixel rgb(166, 102, 176) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 102, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 102, 176);  
box-shadow:4px 4px 4px 4px rgb(166, 102,  
176) }
```

Background

The CSS property to change the background color of an element to XYZ 28.3137, 20.7443, 43.5861 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 102, 176) }
```

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

```
.background{ background-color: rgb(166,  
102, 176) }
```

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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