

Converting Colors

XYZ(28.6353, 20.6580, 35.2859)

Have a look what the booklet for
XYZ(28.6353, 20.6580, 35.2859)
contains.

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Color

**XYZ(28.6243, 20.6570,
35.2794)**

Conversions

Conversions Part 1

Format	Color
Hex	B0639F
RGB	176, 99, 159
RGB Percent	69%, 39%, 62%
CMY	0.3098, 0.6117, 0.3765
CMYK	0.00, 0.44, 0.10, 0.31
HSL	313°, 33%, 54%
HSV	313°, 44%, 69%
XYZ	28.6243, 20.6570, 35.2794
YIQ	128.8630, 26.6320, 34.9840

Conversions

Conversions Part 2

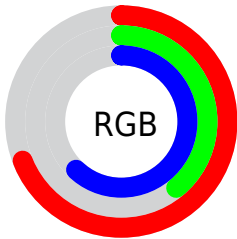
Format	Color
R_{YB}	176, 99, 159
Decimal	11559839
CIE _{Lab}	52.57, 39.58, -19.14
CIE _{LCh}	53, 43.963, 334.192
Yxy	20.6570, 0.3385, 0.2443
Android (android.graphics.Color)	4289749919 (0xFFB0639F)
YUV	128.8630, 14.8575, 41.3391
Hunter-Lab	45.4500, 32.8815, -14.2074

Details

The XYZ color **28.6243, 20.6570, 35.2794** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **23.8242, 34.9649, 22.0176**, and the grayscale version is **20.7621, 21.8434, 23.7874**.

A 20% lighter version of the original color is **56.9701, 44.6352, 69.2311**, and **11.7782, 7.3957, 14.7167** is the 20% darker color. If you saturate the color by 10%, you get **26.8032, 17.5458, 33.0348**, and if you desaturate by 10%, it is **30.8206, 24.5011, 37.7018**.

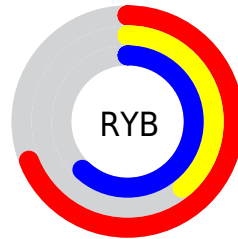
Distribution



Red (69%)

Green (39%)

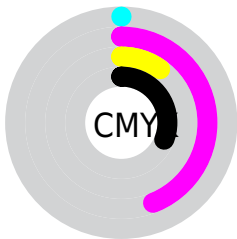
Blue (62%)



Red (69%)

Yellow (39%)

Blue (62%)

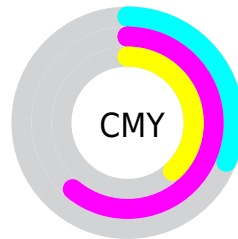


Cyan (0%)

Magenta (44%)

Yellow (10%)

Black (31%)



Cyan (31%)


Magenta (61%)


Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.6243, 20.6570, 35.2794 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 28.6243, 20.6570, 35.2794 by changing the saturation by 10% instead.

 28.6243, 20.6570,
35.2794

 28.6243, 20.6570,
35.2794


287.4644,
255.4500, 340.7415


 18.9396, 12.8735,
23.5929


 56.8813, 44.5160,
69.0749


 11.7304, 7.3415,
14.8225


 76.1844, 61.3603,
92.0209

 6.6313, 3.6766,
8.5497


 99.4244, 81.9936,
119.5572

 3.2769, 1.4943,
4.3559

 126.9665,
106.8004, 152.1023

 1.3018, 0.2847,
1.8225

159.1763,
136.1650, 190.0747

 0.1846, 0.0000,
0.4428

196.4189,

 0.0000, 0.0000,

170.4719, 233.8931

0.0000

239.0599,
210.1054, 283.9758

■ 28.6243, 20.6570,
35.2794

■ 28.6243, 20.6570,
35.2794

■ 26.8032, 17.5458,
33.0348

■ 30.8206, 24.5011,
37.7018

■ 25.3315, 15.1168,
30.9583

■ 33.4121, 29.1186,
40.3085

■ 24.1830, 13.3175,
29.0409

■ 36.4193, 34.5506,
43.1070

■ 23.3270, 12.0867,
27.2719

■ 39.8612, 40.8342,
46.1040

■ 22.7264, 11.3504,
25.6384

■ 43.7551, 48.0046,
49.3060

■ 22.4301, 11.0404,
24.6689

■ 48.1178, 56.0945,
52.7187

■ 52.9648, 65.1355,
56.3479

■ 58.3112, 75.1572,
60.1991

■ 63.3993, 84.6440,
64.0200

Harmonies

Analogous

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



24.9802, 20.6570, 50.2843



28.6243, 20.6570, 35.2794



29.7317, 20.6570, 20.7073

Triad

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



28.6243, 20.6570, 35.2794



19.0004, 20.6570, 5.6012



13.2421, 20.6570, 39.7439

Complementary

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



28.6243, 20.6570, 35.2794



23.8242, 34.9649, 22.0176

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.



12.1283, 20.6570, 24.3763



28.6243, 20.6570, 35.2794



15.1105, 20.6570, 7.4668

Square

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



28.6243, 20.6570, 35.2794



23.7004, 20.6570, 6.6216



12.7557, 20.6570, 13.2413



16.0613, 20.6570, 53.4857

Rectangle

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



28.6243, 20.6570, 35.2794



28.7588, 20.6570, 13.6971



12.7557, 20.6570, 13.2413



12.6775, 20.6570, 34.4204

Sweetspot

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



28.6250, 20.6580, 35.2798



66.3572, 63.2169, 78.4550



19.4597, 15.7508, 43.0891



14.1085, 13.2060, 16.7568



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.



28.6250, 20.6580, 35.2798



48.8636, 32.2458, 60.2429



25.8071, 19.5308, 20.4410



8.7681, 8.6140, 10.2773



16.4798, 8.1095, 18.2185



0.5385, 0.2631, 0.6782

Inverse Universe

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



28.6250, 20.6580, 35.2798



48.8636, 32.2458, 60.2429



26.5197, 36.0431, 36.2120



8.7681, 8.6140, 10.2773



16.4798, 8.1095, 18.2185



0.5385, 0.2631, 0.6782

Previews

White Background



This preview shows how the XYZ color 28.6243, 20.6570, 35.2794 looks on a white background.

Color Contrast Check

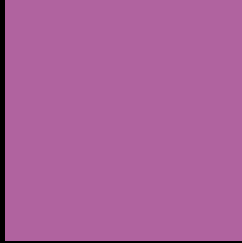
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.6243, 20.6570, 35.2794 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

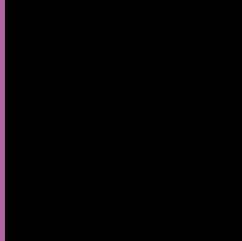
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 28.6243, 20.6570, 35.2794

Background



This preview shows how black text looks on a background with the XYZ color 28.6243, 20.6570, 35.2794.



This preview shows how white text looks on a background with the XYZ color 28.6243, 20.6570,

35.2794.

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

28.6243, 20.6570, 35.2794

Protanopia

21.5502, 20.8809, 45.0141

Deuteranopia

21.3115, 20.8176, 33.9053



Tritanopia

25.3095, 20.6440, 19.1737

Trichromacy



Original Color

28.6243, 20.6570, 35.2794

Protanomaly

23.1543, 20.1883, 41.2044

Deuteranomaly

23.3458, 20.2746, 34.1354

Tritanomaly

26.4500, 20.6533, 24.4222

Monochromacy



Original Color

28.6243, 20.6570, 35.2794

Achromatopsia

20.8660, 21.9526, 23.9064

Achromatomaly

23.0661, 20.9613, 27.6412

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.6243, 20.6570, 35.2794 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(176, 99, 159)` looks like.

```
.text, #text, p{  
    color:rgb(176, 99, 159)  
}
```

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(176, 99, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 99, 159) }
```

Border

The CSS property to change the border of an element to XYZ 28.6243, 20.6570, 35.2794 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(176, 99, 159) }
```


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

```
.border{ border-color:rgb(176, 99, 159) }
```

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

Here you see how a box with a 4 pixel rgb(176, 99, 159) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 99, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 99, 159);  
box-shadow:4px 4px 4px 4px rgb(176, 99,  
159) }
```

Background

The CSS property to change the background color of an element to XYZ 28.6243, 20.6570, 35.2794 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 99, 159) }
```

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

```
.background{ background-color: rgb(176, 99,  
159) }
```

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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