

Converting Colors

XYZ(27.9986, 20.0557, 34.3400)

Have a look what the booklet for
XYZ(27.9986, 20.0557, 34.3400)
contains.

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Color

**XYZ(28.0397, 20.0977,
34.2997)**

Conversions

Conversions Part 1

Format	Color
Hex	AF619D
RGB	175, 97, 157
RGB Percent	69%, 38%, 62%
CMY	0.3137, 0.6196, 0.3843
CMYK	0.00, 0.45, 0.10, 0.31
HSL	314°, 33%, 53%
HSV	314°, 45%, 69%
XYZ	28.0397, 20.0977, 34.2997
YIQ	127.1620, 27.2280, 35.1960

Conversions

Conversions Part 2

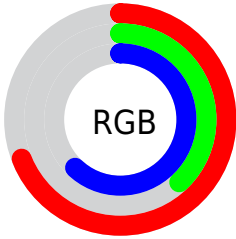
Format	Color
R_{YB}	175, 97, 157
Decimal	11493789
CIE _{Lab}	51.95, 39.97, -18.93
CIE _{LCh}	52, 44.230, 334.655
Yxy	20.0977, 0.3401, 0.2438
Android (android.graphics.Color)	4289683869 (0xFFAF619D)
YUV	127.1620, 14.7101, 41.9539
Hunter-Lab	44.8305, 33.1915, -13.9813

Details

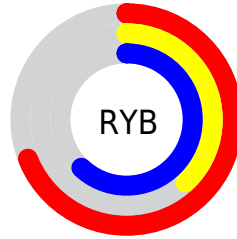
The XYZ color **28.0397, 20.0977, 34.2997** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **23.3552, 34.4398, 21.6377**, and the grayscale version is **20.1736, 21.2242, 23.1131**.

A 20% lighter version of the original color is **56.0687, 43.7220, 67.7714**, and **11.4637, 7.0595, 14.3941** is the 20% darker color. If you saturate the color by 10%, you get **26.2585, 17.0777, 32.0329**, and if you desaturate by 10%, it is **30.1903, 23.8374, 36.7463**.

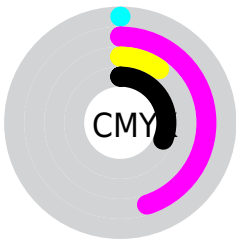
Distribution



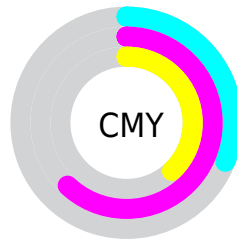
- Red (69%)
- Green (38%)
- Blue (62%)



- Red (69%)
- Yellow (38%)
- Blue (62%)



- Cyan (0%)
- Magenta (45%)
- Yellow (10%)
- Black (31%)



- Cyan (31%)
- Magenta (62%)
- Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.0397, 20.0977, 34.2997 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 28.0397, 20.0977, 34.2997 by changing the saturation by 10% instead.

■ 28.0397, 20.0977,
34.2997

■ 28.0397, 20.0977,
34.2997

284.7332,
252.4435, 336.2762

■ 18.4962, 12.4661,
22.8447

■ 55.9560, 43.5809,
67.5387

■ 11.4087, 7.0619,
14.2747

■ 75.0595, 60.2013,
90.1597

■ 6.4117, 3.5009,
8.1710

■ 98.0805, 80.5868,
117.3399

■ 3.1400, 1.3985,
4.1152

■ 125.3841,
105.1217, 149.4977

■ 1.2282, 0.2156,
1.6888

157.3358,
134.1904, 187.0517

■ 0.1285, 0.0000,
0.3530

194.3010,

■ 0.0000, 0.0000,

168.1773, 230.4204

0.0000

236.6450,
207.4669, 280.0224

■ 28.0397, 20.0977,
34.2997

■ 28.0397, 20.0977,
34.2997

■ 26.2585, 17.0777,
32.0329

■ 30.1903, 23.8374,
36.7463

■ 24.8209, 14.7273,
29.9361

■ 32.7299, 28.3373,
39.3792

■ 23.7009, 12.9940,
28.0003

■ 35.6792, 33.6380,
42.2059

■ 22.8676, 11.8166,
26.2148

■ 39.0569, 39.7764,
45.2332

■ 22.2840, 11.1210,
24.5665

■ 42.8801, 46.7873,
48.4673

■ 22.0254, 10.8525,
23.7132

■ 47.1655, 54.7032,
51.9143

■ 51.9285, 63.5553,
55.5798

■ 57.1841, 73.3730,
59.4693

■ 62.9463, 84.1846,
63.5880

Harmonies

Analogous

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



24.4582, 20.0977, 49.2585



28.0397, 20.0977, 34.2997



29.0916, 20.0977, 19.9323

Triad

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



28.0397, 20.0977, 34.2997



18.4084, 20.0977, 5.3093



12.8310, 20.0977, 39.2193

Complementary

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



28.0397, 20.0977, 34.2997



23.3552, 34.4398, 21.6377

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.



11.7097, 20.0977, 23.9569



28.0397, 20.0977, 34.2997



14.5916, 20.0977, 7.1711

Square

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



28.0397, 20.0977, 34.2997



23.0515, 20.0977, 6.2568



12.2998, 20.0977, 12.8956



15.6320, 20.0977, 52.7951

Rectangle

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



28.0397, 20.0977, 34.2997



28.0966, 20.0977, 13.0864



12.2998, 20.0977, 12.8956



12.2670, 20.0977, 33.9364

Sweetspot

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



28.0403, 20.0986, 34.3001



64.6675, 61.6331, 76.2962



18.9400, 15.2164, 42.4966



14.0984, 13.2020, 16.7038



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.



28.0403, 20.0986, 34.3001



47.2167, 30.9011, 57.6249



25.2905, 18.9987, 19.8195



8.2568, 8.1160, 9.6631



15.7973, 7.7815, 17.1098



0.4586, 0.2241, 0.5766

Inverse Universe

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



28.0403, 20.0986, 34.3001



47.2167, 30.9011, 57.6249



26.0020, 35.4985, 35.5759



8.2568, 8.1160, 9.6631



15.7973, 7.7815, 17.1098



0.4586, 0.2241, 0.5766

Previews

White Background



This preview shows how the XYZ color 28.0397, 20.0977, 34.2997 looks on a white background.

Color Contrast Check

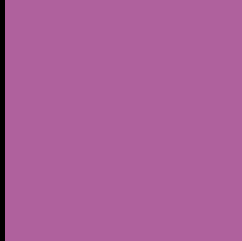
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.0397, 20.0977, 34.2997 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 28.0397, 20.0977, 34.2997

Background



This preview shows how black text looks on a background with the XYZ color 28.0397, 20.0977, 34.2997.



This preview shows how white text looks on a background with the XYZ color 28.0397, 20.0977,

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

28.0397, 20.0977, 34.2997

Protanopia

21.1038, 20.4887, 43.9167

Deuteranopia

20.7353, 20.3566, 32.9733



Tritanopia

24.7689, 20.0690, 18.4878

Trichromacy



Original Color

28.0397, 20.0977, 34.2997

Protanomaly

22.6945, 19.8047, 40.1627

Deuteranomaly

22.7224, 19.8061, 33.1972

Tritanomaly

25.8928, 20.0829, 23.6308

Monochromacy



Original Color

28.0397, 20.0977, 34.2997

Achromatopsia

20.1725, 21.2231, 23.1119

Achromatomaly

22.3344, 20.2551, 26.7772

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.0397, 20.0977, 34.2997 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(175, 97, 157)` looks like.

```
.text, #text, p{  
    color:rgb(175, 97, 157)  
}
```

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(175, 97, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 97, 157) }
```

Border

The CSS property to change the border of an element to XYZ 28.0397, 20.0977, 34.2997 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(175, 97, 157) }
```


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

```
.border{ border-color:rgb(175, 97, 157) }
```

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

Here you see how a box with a 4 pixel rgb(175, 97, 157) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 97, 157); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 97, 157);  
box-shadow:4px 4px 4px 4px rgb(175, 97,  
157) }
```

Background

The CSS property to change the background color of an element to XYZ 28.0397, 20.0977, 34.2997 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 97, 157) }
```

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

```
.background{ background-color: rgb(175, 97,  
157) }
```

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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