

Converting Colors

XYZ(28.1701, 20.2520, 40.7880)

Have a look what the booklet for
XYZ(28.1701, 20.2520, 40.7880)
contains.

XYZ(28.1747, 20.2990, 40.9612)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(28.1747, 20.2990,
40.9612)**

Conversions

Conversions Part 1

Format	Color
Hex	A963AB
RGB	169, 99, 171
RGB Percent	66%, 39%, 67%
CMY	0.3373, 0.6117, 0.3294
CMYK	0.01, 0.42, 0.00, 0.33
HSL	298°, 30%, 53%
HSV	298°, 42%, 67%
XYZ	28.1747, 20.2990, 40.9612
YIQ	128.1380, 18.6080, 37.2320

Conversions

Conversions Part 2

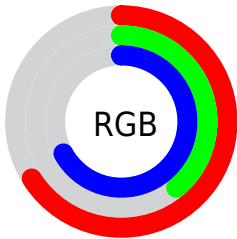
Format	Color
R_{YB}	169, 99, 171
Decimal	11101099
CIE _{Lab}	52.17, 39.53, -26.84
CIE _{LCh}	52, 47.780, 325.828
Yxy	20.2990, 0.3150, 0.2270
Android (android.graphics.Color)	4289291179 (0xFFA963AB)
YUV	128.1380, 21.1310, 35.8360
Hunter-Lab	45.0544, 32.7795, -22.3654

Details

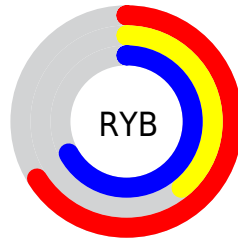
The XYZ color **28.1747, 20.2990, 40.9612** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **22.1826, 32.7939, 16.9661**, and the grayscale version is **20.4908, 21.5579, 23.4766**.

A 20% lighter version of the original color is **56.4574, 44.1713, 78.2233**, and **11.4386, 7.1495, 17.9166** is the 20% darker color. If you saturate the color by 10%, you get **26.6215, 17.3431, 40.4728**, and if you desaturate by 10%, it is **30.0726, 23.9429, 41.5648**.

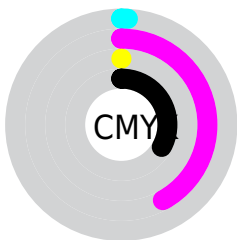
Distribution



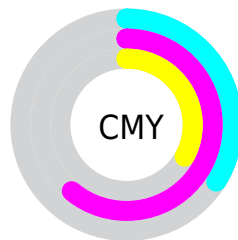
- Red (66%)
- Green (39%)
- Blue (67%)



- Red (66%)
- Yellow (39%)
- Blue (67%)



- Cyan (1%)
- Magenta (42%)
- Yellow (0%)
- Black (33%)





- Cyan (34%)
- Magenta (61%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 28.1747, 20.2990, 40.9612 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 28.1747, 20.2990, 40.9612 by changing the saturation by 10% instead.


 28.1747, 20.2990,
40.9612


 28.1747, 20.2990,
40.9612


285.3657,
253.5292, 365.8303


 18.5985, 12.6126,
27.9693


 56.1699, 43.9179,
77.8780


 11.4828, 7.1623,
18.0637


 75.3197, 60.6192,
102.6400

 6.4622, 3.5638,
10.8258


 98.3914, 81.0942,
132.1625

 3.1715, 1.4327,
5.8371

 125.7503,
105.7274, 166.8639

 1.2451, 0.2406,
2.6791

157.7618,
134.9030, 207.1628

 0.1415, 0.0000,
0.9329

194.7914,

 0.0000, 0.0000,

169.0056, 253.4779

0.0000

237.2042,
208.4196, 306.2275

■ 28.1747, 20.2990,
40.9612

■ 28.1747, 20.2990,
40.9612

■ 26.6215, 17.3431,
40.4728

■ 30.0726, 23.9429,
41.5648

■ 25.3892, 15.0289,
40.0911

■ 32.3332, 28.3119,
42.2890

■ 24.4540, 13.3085,
39.8083

■ 34.9755, 33.4438,
43.1403

■ 23.7882, 12.1262,
39.6152

■ 38.0166, 39.3729,
44.1244

■ 23.3587, 11.4161,
39.5007

■ 41.4727, 46.1314,
45.2468

■ 23.1294, 11.0745,
39.4469

■ 45.3591, 53.7497,
46.5124

■ 49.6900, 62.2568,
47.9262

■ 54.4794, 71.6803,
49.4927

■ 59.7405, 82.0463,
51.2162

Harmonies

Analogous

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



23.6912, 20.2990, 56.3230



28.1747, 20.2990, 40.9612



30.2846, 20.2990, 24.1216

Triad

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



28.1747, 20.2990, 40.9612



19.9864, 20.2990, 4.6458



12.0016, 20.2990, 36.0476

Complementary

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



28.1747, 20.2990, 40.9612



22.1826, 32.7939, 16.9661

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.



11.3470, 20.2990, 20.1987



28.1747, 20.2990, 40.9612



15.4769, 20.2990, 5.6353

Square

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



28.1747, 20.2990, 40.9612



25.0773, 20.2990, 6.4611



12.5075, 20.2990, 10.1564



14.4755, 20.2990, 52.7433

Rectangle

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



28.1747, 20.2990, 40.9612



29.8385, 20.2990, 15.5355



12.5075, 20.2990, 10.1564



11.5816, 20.2990, 30.2990

Sweetspot

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



28.1754, 20.2999, 40.9616



62.0705, 58.7899, 77.0780



17.1898, 14.9792, 40.5136



13.6047, 12.6491, 17.1122



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.



28.1754, 20.2999, 40.9616



47.7276, 31.1554, 72.5000



25.8012, 19.4002, 26.2032



8.3148, 8.1366, 10.0850



17.4437, 8.3524, 29.7373



0.4920, 0.2358, 0.8276

Inverse Universe

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



23.6061, 18.5221, 14.6438



38.4319, 27.5472, 18.5767



23.9153, 33.4614, 27.2448



8.0139, 8.0188, 8.3841



12.6835, 6.5360, 0.7131



0.3557, 0.1830, 0.0349

Previews

White Background



This preview shows how the XYZ color 28.1747, 20.2990, 40.9612 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 28.1747, 20.2990, 40.9612 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

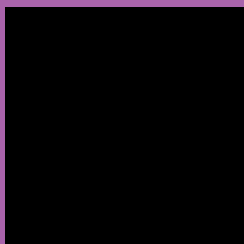
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 28.1747, 20.2990, 40.9612

Background



This preview shows how black text looks on a background with the XYZ color 28.1747, 20.2990, 40.9612.



This preview shows how white text looks on a background with the XYZ color 28.1747, 20.2990,

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

28.1747, 20.2990, 40.9612

Protanopia

21.7441, 20.6503, 51.5551

Deuteranopia

20.9974, 20.5333, 39.4159



Tritanopia

23.8060, 20.1652, 20.0903

Trichromacy



Original Color

28.1747, 20.2990, 40.9612

Protanomaly

23.1687, 19.8891, 47.4176

Deuteranomaly

22.9167, 19.9301, 39.6848

Tritanomaly

25.2585, 20.1424, 26.6014

Monochromacy



Original Color

28.1747, 20.2990, 40.9612

Achromatopsia

20.5175, 21.5861, 23.5072

Achromatomaly

22.7230, 20.5758, 29.1595

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.1747, 20.2990, 40.9612 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(169, 99, 171)` looks like.

```
.text, #text, p{  
    color:rgb(169, 99, 171)  
}
```

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(169, 99, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 99, 171) }
```

Border

The CSS property to change the border of an element to XYZ 28.1747, 20.2990, 40.9612 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(169, 99, 171) }
```


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

```
.border{ border-color:rgb(169, 99, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(169, 99, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(169, 99, 171); -webkit-box-shadow:4px 4px 4px 4px rgb(169, 99, 171); box-shadow:4px 4px 4px 4px rgb(169, 99, 171) }
```

Background

The CSS property to change the background color of an element to XYZ 28.1747, 20.2990, 40.9612 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 99, 171) }
```

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

```
.background{ background-color: rgb(169, 99,  
171) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor