

Converting Colors

XYZ(28.6694, 20.8015, 36.2223)

Have a look what the booklet for
XYZ(28.6694, 20.8015, 36.2223)
contains.

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Color

**XYZ(28.6694, 20.8015,
36.2223)**

Conversions

Conversions Part 1

Format	Color
Hex	AF64A1
RGB	175, 100, 161
RGB Percent	69%, 39%, 63%
CMY	0.3137, 0.6078, 0.3686
CMYK	0.00, 0.43, 0.08, 0.31
HSL	311°, 32%, 54%
HSV	311°, 43%, 69%
XYZ	28.6694, 20.8015, 36.2223
YIQ	129.3790, 25.1190, 34.8710

Conversions

Conversions Part 2

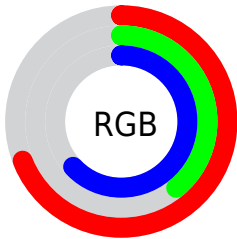
Format	Color
R_{YB}	175, 100, 161
Decimal	11494561
CIE _{Lab}	52.73, 39.07, -20.08
CIE _{LCh}	53, 43.924, 332.800
Yxy	20.8015, 0.3346, 0.2427
Android (android.graphics.Color)	4289684641 (0xFFAF64A1)
YUV	129.3790, 15.5892, 40.0096
Hunter-Lab	45.6087, 32.3891, -15.1619

Details

The XYZ color **28.6694, 20.8015, 36.2223** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **23.6237, 34.5849, 21.3514**, and the grayscale version is **20.9406, 22.0311, 23.9919**.

A 20% lighter version of the original color is **57.0646, 44.8961, 70.6239**, and **11.7861, 7.4503, 15.2849** is the 20% darker color. If you saturate the color by 10%, you get **26.8835, 17.6844, 34.2243**, and if you desaturate by 10%, it is **30.8247, 24.6445, 38.3810**.

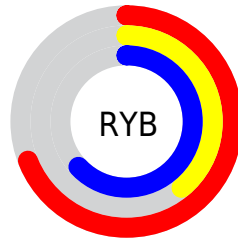
Distribution



Red (69%)

Green (39%)

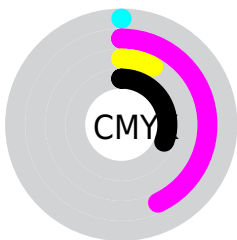
Blue (63%)



Red (69%)

Yellow (39%)

Blue (63%)

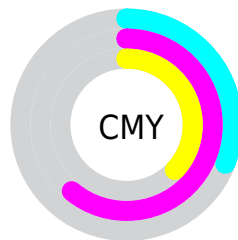


Cyan (0%)

Magenta (43%)

Yellow (8%)

Black (31%)



Cyan (31%)


Magenta (61%)


Yellow (37%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 28.6694, 20.8015, 36.2223 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 28.6694, 20.8015, 36.2223 by changing the saturation by 10% instead.

 28.6694, 20.8015,
36.2223


 28.6694, 20.8015,
36.2223


287.6743,
256.2217, 344.9979

 18.9739, 12.9790,
24.3149


 56.9526, 44.7569,
70.5479

 11.7553, 7.4141,
15.3530


 76.2710, 61.6587,
93.8033

 6.6483, 3.7224,
8.9181


 99.5278, 82.3556,
121.6783

 3.2875, 1.5195,
4.5917

 127.0883,
107.2320, 154.5915

 1.3076, 0.3024,
1.9553

159.3178,
136.6725, 192.9616

 0.1889, 0.0000,
0.5276

196.5818,

 0.0000, 0.0000,

171.0613, 237.2070

0.0000

239.2455,
210.7829, 287.7462

■ 28.6694, 20.8015,
36.2223

■ 28.6694, 20.8015,
36.2223

■ 26.8835, 17.6844,
34.2243

■ 30.8247, 24.6445,
38.3810

■ 25.4416, 15.2438,
32.3776

■ 33.3686, 29.2531,
40.7065

■ 24.3184, 13.4285,
30.6736

■ 36.3215, 34.6674,
43.2060

■ 23.4838, 12.1788,
29.1023

■ 39.7016, 40.9239,
45.8859

■ 22.9022, 11.4234,
27.6512

■ 43.5262, 48.0569,
48.7521

■ 22.5869, 11.0771,
26.6697

■ 47.8116, 56.0989,
51.8105

■ 52.5730, 65.0804,
55.0662

■ 57.8251, 75.0308,
58.5246

■ 62.7777, 84.3694,
61.9224

Harmonies

Analogous

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



24.9277, 20.8015, 51.1001



28.6694, 20.8015, 36.2223



29.9196, 20.8015, 21.4413

Triad

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



28.6694, 20.8015, 36.2223



19.3448, 20.8015, 5.6576



13.2622, 20.8015, 39.2148

Complementary

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



28.6694, 20.8015, 36.2223



23.6237, 34.5849, 21.3514

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.



12.2242, 20.8015, 23.9018



28.6694, 20.8015, 36.2223



15.3798, 20.8015, 7.3901

Square

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



28.6694, 20.8015, 36.2223



24.0696, 20.8015, 6.8223



12.9358, 20.8015, 12.9773



16.0177, 20.8015, 53.2454

Rectangle

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



28.6694, 20.8015, 36.2223



29.0366, 20.8015, 14.2245



12.9358, 20.8015, 12.9773



12.7219, 20.8015, 33.8777

Sweetspot

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



28.6701, 20.8025, 36.2227



64.8408, 61.7024, 77.2083



19.2030, 15.7712, 42.5900



14.1430, 13.2198, 16.9385



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.



28.6701, 20.8025, 36.2227



48.4306, 32.1609, 61.6301



25.8595, 19.6782, 21.4224



8.2720, 8.1220, 9.7430



16.1961, 7.9410, 19.2101



0.4669, 0.2275, 0.6205

Inverse Universe

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



28.6701, 20.8025, 36.2227



48.4306, 32.1609, 61.6301



26.1926, 35.6124, 34.8790



8.2720, 8.1220, 9.7430



16.1961, 7.9410, 19.2101



0.4669, 0.2275, 0.6205

Previews

White Background



This preview shows how the XYZ color 28.6694, 20.8015, 36.2223 looks on a white background.

Color Contrast Check

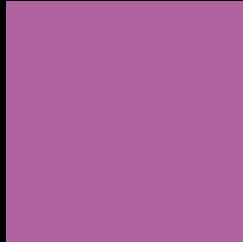
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.6694, 20.8015, 36.2223 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

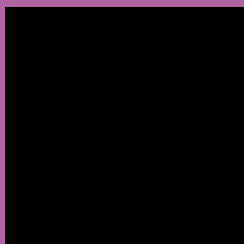
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 28.6694, 20.8015, 36.2223

Background



This preview shows how black text looks on a background with the XYZ color 28.6694, 20.8015, 36.2223.



This preview shows how white text looks on a background with the XYZ color 28.6694, 20.8015,

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

28.6694, 20.8015, 36.2223

Protanopia

21.6510, 20.9212, 45.5449

Deuteranopia

21.4618, 21.0606, 34.8322



Tritanopia

25.2571, 20.7677, 19.5070

Trichromacy



Original Color

28.6694, 20.8015, 36.2223

Protanomaly

23.2500, 20.2266, 41.7084

Deuteranomaly

23.4576, 20.4809, 35.0646

Tritanomaly

26.4009, 20.7722, 24.8083

Monochromacy



Original Color

28.6694, 20.8015, 36.2223

Achromatopsia

20.8660, 21.9526, 23.9064

Achromatomaly

23.1402, 20.9909, 28.0313

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.6694, 20.8015, 36.2223 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, 100, 161)` looks like.

```
.text, #text, p{  
    color:rgb(175, 100, 161)  
}
```

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, 100, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 100, 161) }
```

Border

The CSS property to change the border of an element to XYZ 28.6694, 20.8015, 36.2223 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, 100, 161) }
```


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

```
.border{ border-color:rgb(175, 100, 161) }
```

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

Here you see how a box with a 4 pixel `rgb(175, 100, 161)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 100, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 100, 161);  
box-shadow:4px 4px 4px 4px rgb(175, 100,  
161) }
```

Background

The CSS property to change the background color of an element to XYZ 28.6694, 20.8015, 36.2223 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 100, 161) }
```

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

```
.background{ background-color: rgb(175,  
100, 161) }
```

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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