

Converting Colors

XYZ(33.6704, 28.8979, 53.2378)

Have a look what the booklet for
XYZ(33.6704, 28.8979, 53.2378)
contains.

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Color

**XYZ(33.6550, 28.9188,
53.0983)**

Conversions

Conversions Part 1

Format	Color
Hex	A686BF
RGB	166, 134, 191
RGB Percent	65%, 53%, 75%
CMY	0.3490, 0.4745, 0.2510
CMYK	0.13, 0.30, 0.00, 0.25
HSL	274°, 31%, 64%
HSV	274°, 30%, 75%
XYZ	33.6550, 28.9188, 53.0983
YIQ	150.0660, 0.7750, 24.5110

Conversions

Conversions Part 2

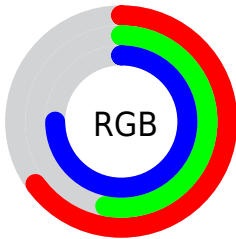
Format	Color
R_{YB}	166, 134, 191
Decimal	10913471
CIE _{Lab}	60.71, 23.09, -25.17
CIE _{LCh}	61, 34.150, 312.532
Yxy	28.9188, 0.2910, 0.2500
Android (android.graphics.Color)	4289103551 (0xFFA686BF)
YUV	150.0660, 20.1805, 13.9741
Hunter-Lab	53.7762, 17.6031, -20.8992

Details

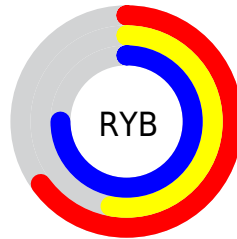
The XYZ color **33.6550, 28.9188, 53.0983** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **37.2329, 46.3545, 29.5405**, and the grayscale version is **28.9351, 30.4420, 33.1513**.

A 20% lighter version of the original color is **64.8378, 57.8476, 96.5553**, and **14.4957, 11.6575, 25.1530** is the 20% darker color. If you saturate the color by 10%, you get **29.5506, 23.2322, 52.2175**, and if you desaturate by 10%, it is **38.3524, 35.6203, 54.1447**.

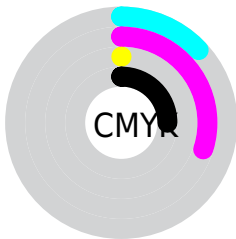
Distribution



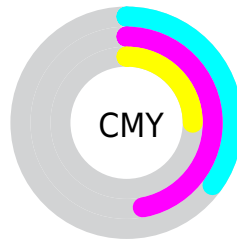
- Red (65%)
- Green (53%)
- Blue (75%)



- Red (65%)
- Yellow (53%)
- Blue (75%)



- Cyan (13%)
- Magenta (30%)
- Yellow (0%)
- Black (25%)



- Cyan (35%)
- Magenta (47%)
- Yellow (25%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.6550, 28.9188, 53.0983 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 33.6550, 28.9188, 53.0983 by changing the saturation by 10% instead.

■ 33.6550, 28.9188,
53.0983

■ 33.6550, 28.9188,
53.0983

310.2040,
296.8316, 415.7391

■ 22.7903, 19.0194,
37.4930

■ 64.7447, 57.9480,
96.1920

■ 14.5586, 11.6843,
25.2906

■ 85.7004, 77.8467,
124.5175

■ 8.5945, 6.5291,
16.0727

■ 110.7504,
101.8472, 157.9201

■ 4.5326, 3.1694,
9.4207

140.2603,
130.3340, 196.8184

■ 2.0076, 1.2208,
4.9161

174.5952,
163.6914, 241.6309

■ 0.6383, 0.0786,
2.1402

214.1205,

■ 0.0000, 0.0000,

202.3039, 292.7762

0.6396

259.2017,
246.5559, 350.6727

■ 0.0000, 0.0000,
0.0000

■ 33.6550, 28.9188,
53.0983

■ 33.6550, 28.9188,
53.0983

■ 29.5506, 23.2322,
52.2175

■ 38.3524, 35.6203,
54.1447

■ 26.0086, 18.5044,
51.4916

■ 43.6659, 43.3817,
55.3627

■ 22.9997, 14.6793,
50.9119

■ 49.6207, 52.2496,
56.7606

■ 20.4902, 11.6933,
50.4678

■ 56.2395, 62.2666,
58.3452

■ 18.4423, 9.4740,
50.1473

■ 63.5440, 73.4732,
60.1233

■ 16.8116, 7.9362,
49.9365

■ 71.5549, 85.9079,
62.1012

■ 15.5143, 6.9164,
49.8080

■ 76.1041, 91.2318,
62.8891

■ 15.4950, 6.9016,
49.8061

■ 78.7748, 92.6086,
63.0141

■ 81.5754, 94.0524,
63.1451

Harmonies

Analogous

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



29.3761, 28.9188, 61.8032



33.6550, 28.9188, 53.0983



36.4370, 28.9188, 39.3914

Triad

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



33.6550, 28.9188, 53.0983



30.1230, 28.9188, 13.4815



19.9828, 28.9188, 37.0821

Complementary

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



33.6550, 28.9188, 53.0983



37.2329, 46.3545, 29.5405

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.



20.1367, 28.9188, 24.7189



33.6550, 28.9188, 53.0983



25.6796, 28.9188, 13.1749

Square

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



33.6550, 28.9188, 53.0983



34.2522, 28.9188, 17.7099



22.1218, 28.9188, 16.7169



21.6761, 28.9188, 51.0214

Rectangle

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



33.6550, 28.9188, 53.0983



36.9029, 28.9188, 30.4225



22.1218, 28.9188, 16.7169



19.8258, 28.9188, 32.5774

Sweetspot

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



33.6559, 28.9200, 53.0989



78.9128, 78.7409, 99.3185



31.7468, 33.8515, 54.1514



17.0024, 16.8096, 21.7337



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



33.6559, 28.9200, 53.0989



55.2167, 44.7472, 94.0060



39.1050, 31.7650, 51.7325



9.5150, 9.4824, 12.0010



10.2768, 4.5839, 32.7360



0.4765, 0.2177, 1.2858

Inverse Universe

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



36.2699, 30.6309, 36.8027



60.8794, 48.4431, 59.1812



32.9679, 44.1325, 30.3927



9.6993, 9.6040, 10.8055



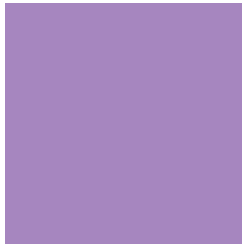
15.2051, 7.7132, 6.3735



0.6285, 0.3153, 0.4229

Previews

White Background



This preview shows how the XYZ color 33.6550, 28.9188, 53.0983 looks on a white background.

Color Contrast Check

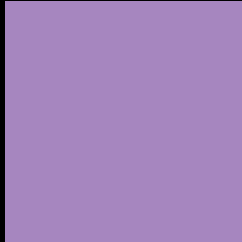
Large Text (above 18pt) WCAG AA ✓ Pass

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 33.6550, 28.9188, 53.0983 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 33.6550, 28.9188, 53.0983

Background



This preview shows how black text looks on a background with the XYZ color 33.6550, 28.9188, 53.0983.



This preview shows how white text looks on a background with the XYZ color 33.6550, 28.9188,

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

33.6550, 28.9188, 53.0983

Protanopia

29.7943, 29.1996, 58.0986

Deuteranopia

29.6398, 29.0239, 52.1841



Tritanopia

29.7719, 28.8232, 34.1313

Trichromacy



Original Color

33.6550, 28.9188, 53.0983

Protanomaly

30.9903, 28.9646, 56.1819

Deuteranomaly

30.8851, 28.7698, 52.6405

Tritanomaly

30.9638, 28.6484, 40.4569

Monochromacy



Original Color

33.6550, 28.9188, 53.0983

Achromatopsia

28.9890, 30.4987, 33.2131

Achromatomaly

30.4751, 29.7310, 39.7298

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.6550, 28.9188, 53.0983 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, 134, 191)` looks like.

```
.text, #text, p{  
    color:rgb(166, 134, 191)  
}
```

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, 134, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 134, 191) }
```

Border

The CSS property to change the border of an element to XYZ 33.6550, 28.9188, 53.0983 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, 134, 191) }
```


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

```
.border{ border-color:rgb(166, 134, 191) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 134, 191)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 134, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 134, 191);  
box-shadow:4px 4px 4px 4px rgb(166, 134,  
191) }
```

Background

The CSS property to change the background color of an element to XYZ 33.6550, 28.9188, 53.0983 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 134, 191) }
```

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

```
.background{ background-color: rgb(166,  
134, 191) }
```

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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