

Converting Colors

XYZ(35.2262, 29.5443, 55.2345)

Have a look what the booklet for
XYZ(35.2262, 29.5443, 55.2345)
contains.

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Color

**XYZ(35.2511, 29.4858,
55.4632)**

Conversions

Conversions Part 1

Format	Color
Hex	AC85C3
RGB	172, 133, 195
RGB Percent	67%, 52%, 76%
CMY	0.3255, 0.4784, 0.2353
CMYK	0.12, 0.32, 0.00, 0.24
HSL	278°, 34%, 64%
HSV	278°, 32%, 76%
XYZ	35.2511, 29.4858, 55.4632
YIQ	151.7290, 3.3420, 27.5500

Conversions

Conversions Part 2

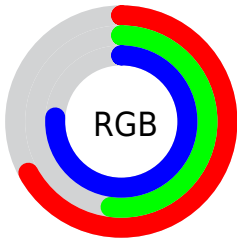
Format	Color
R_{YB}	172, 133, 195
Decimal	11306435
CIE _{Lab}	61.21, 26.44, -26.61
CIE _{LCh}	61, 37.515, 314.821
Yxy	29.4858, 0.2933, 0.2453
Android (android.graphics.Color)	4289496515 (0xFFAC85C3)
YUV	151.7290, 21.3326, 17.7777
Hunter-Lab	54.3008, 20.8525, -22.5486

Details

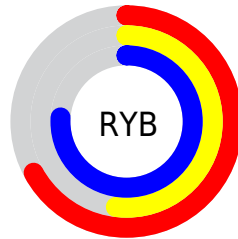
The XYZ color **35.2511, 29.4858, 55.4632** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **37.4600, 47.7923, 29.4421**, and the grayscale version is **29.6391, 31.1827, 33.9579**.

A 20% lighter version of the original color is **67.3359, 59.0629, 99.9468**, and **15.5087, 12.0315, 26.7042** is the 20% darker color. If you saturate the color by 10%, you get **31.2807, 23.8375, 54.5827**, and if you desaturate by 10%, it is **39.8055, 36.1723, 56.5142**.

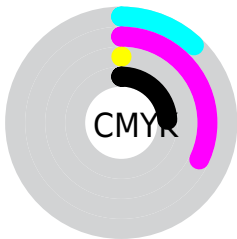
Distribution



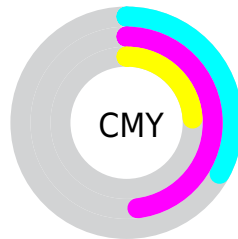
- Red (67%)
- Green (52%)
- Blue (76%)



- Red (67%)
- Yellow (52%)
- Blue (76%)



- Cyan (12%)
- Magenta (32%)
- Yellow (0%)
- Black (24%)





- Cyan (33%)
- Magenta (48%)
- Yellow (24%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 35.2511, 29.4858, 55.4632 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 35.2511, 29.4858, 55.4632 by changing the saturation by 10% instead.


 35.2511, 29.4858,
55.4632


 35.2511, 29.4858,
55.4632

317.1639,
299.5002, 424.9967


 24.0238, 19.4486,
39.3716


 67.2060, 58.8480,
99.6972

 15.4761, 11.9949,
26.7389

 88.6644, 78.9419,
128.6767

 9.2427, 6.7402,
17.1465


 114.2638,
103.1568, 162.7893

 4.9582, 3.3002,
10.1759

144.3696,
131.8771, 202.4534

 2.2573, 1.2904,
5.4086

179.3471,
165.4872, 248.0877

 0.7727, 0.1337,
2.4261

219.5618,

 0.0000, 0.0000,

204.3715, 300.1106

0.8006

265.3789,
248.9144, 358.9408

■ 0.0000, 0.0000,
0.0000

■ 35.2511, 29.4858,
55.4632

■ 35.2511, 29.4858,
55.4632

■ 31.2807, 23.8375,
54.5827

■ 39.8055, 36.1723,
56.5142

■ 27.8625, 19.1681,
53.8616

■ 44.9676, 43.9446,
57.7424

■ 24.9659, 15.4177,
53.2903

■ 50.7634, 52.8520,
59.1562

■ 22.5559, 12.5184,
52.8577

■ 57.2162, 62.9395,
60.7632

■ 20.5925, 10.3922,
52.5508

■ 64.3483, 74.2494,
62.5703

■ 19.0281, 8.9466,
52.3542

■ 72.1808, 86.8224,
64.5843

■ 17.9705, 8.1262,
52.2516

■ 75.9308, 91.0909,
65.2106

■ 78.2029, 92.2622,
65.3169

■ 80.5713, 93.4831,
65.4278

Harmonies

Analogous

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



30.5204, 29.4858, 66.1436



35.2511, 29.4858, 55.4632



38.2037, 29.4858, 39.7494

Triad

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



35.2511, 29.4858, 55.4632



30.5809, 29.4858, 12.3877



19.8252, 29.4858, 39.5610

Complementary

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



35.2511, 29.4858, 55.4632



37.4600, 47.7923, 29.4421

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.



19.8374, 29.4858, 25.5095



35.2511, 29.4858, 55.4632



25.6702, 29.4858, 12.3644

Square

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



35.2511, 29.4858, 55.4632



35.2999, 29.4858, 16.5209



21.8614, 29.4858, 16.4441



21.8259, 29.4858, 55.2909

Rectangle

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



35.2511, 29.4858, 55.4632



38.5701, 29.4858, 29.8773



21.8614, 29.4858, 16.4441



19.6023, 29.4858, 34.4408

Sweetspot

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



35.2521, 29.4870, 55.4639



82.1587, 81.1770, 103.8083



31.5418, 32.9629, 56.3303



17.6809, 17.3027, 22.6578



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



35.2521, 29.4870, 55.4639



58.1923, 45.7390, 98.2312



39.9460, 31.9991, 51.5169



10.1234, 10.0548, 12.6920



11.7750, 5.3307, 33.9649



0.5828, 0.2685, 1.4710

Inverse Universe

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



36.8949, 30.7786, 35.4499



61.8100, 48.5416, 56.0427



33.9398, 45.9179, 31.9767



10.2242, 10.1383, 11.2714



15.4325, 7.8627, 4.9235



0.7002, 0.3531, 0.3887

Previews

White Background



This preview shows how the XYZ color 35.2511, 29.4858, 55.4632 looks on a white background.

Color Contrast Check

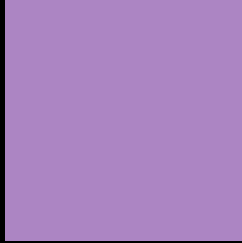
Large Text (above 18pt) WCAG AA ✓ Pass

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 35.2511, 29.4858, 55.4632 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 35.2511, 29.4858, 55.4632

Background



This preview shows how black text looks on a background with the XYZ color 35.2511, 29.4858, 55.4632.



This preview shows how white text looks on a background with the XYZ color 35.2511, 29.4858,

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

35.2511, 29.4858, 55.4632

Protanopia

30.5043, 29.7114, 61.8847

Deuteranopia

30.2323, 29.5043, 54.5536



Tritanopia

30.7094, 29.3161, 33.7458

Trichromacy



Original Color

35.2511, 29.4858, 55.4632

Protanomaly

31.7445, 29.2865, 59.2381

Deuteranomaly

31.8402, 29.4288, 55.0411

Tritanomaly

32.3048, 29.3289, 41.0042

Monochromacy



Original Color

35.2511, 29.4858, 55.4632

Achromatopsia

29.8446, 31.3989, 34.1934

Achromatomaly

31.4914, 30.4489, 41.2632

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.2511, 29.4858, 55.4632 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(172, 133, 195)` looks like.

```
.text, #text, p{  
    color:rgb(172, 133, 195)  
}
```

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(172, 133, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 133, 195) }
```

Border

The CSS property to change the border of an element to XYZ 35.2511, 29.4858, 55.4632 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(172, 133, 195) }
```


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

```
.border{ border-color:rgb(172, 133, 195) }
```

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

Here you see how a box with a 4 pixel rgb(172, 133, 195) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 133, 195); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 133, 195);  
box-shadow:4px 4px 4px 4px rgb(172, 133,  
195) }
```

Background

The CSS property to change the background color of an element to XYZ 35.2511, 29.4858, 55.4632 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 133, 195) }
```

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

```
.background{ background-color: rgb(172,  
133, 195) }
```

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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