

Converting Colors

XYZ(29.8550, 26.6080, 40.7770)

Have a look what the booklet for
XYZ(29.8550, 26.6080, 40.7770)
contains.

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Color

**XYZ(29.8821, 26.6368,
40.6122)**

Conversions

Conversions Part 1

Format	Color
Hex	A183A8
RGB	161, 131, 168
RGB Percent	63%, 51%, 66%
CMY	0.3686, 0.4863, 0.3412
CMYK	0.04, 0.22, 0.00, 0.34
HSL	289°, 18%, 59%
HSV	289°, 22%, 66%
XYZ	29.8821, 26.6368, 40.6122
YIQ	144.1880, 6.0030, 17.8670

Conversions

Conversions Part 2

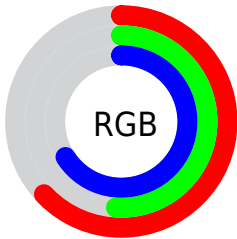
Format	Color
R _Y B	161, 131, 168
Decimal	10585000
CIE Lab	58.64, 18.28, -15.28
CIE LCh	59, 23.824, 320.097
Yxy	26.6368, 0.3076, 0.2742
Android (android.graphics.Color)	4288775080 (0xFFA183A8)
YUV	144.1880, 11.7393, 14.7441
Hunter-Lab	51.6109, 13.0305, -10.5273

Details

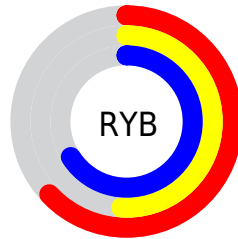
The XYZ color **29.8821, 26.6368, 40.6122** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **28.5815, 35.0479, 26.7325**, and the grayscale version is **26.5381, 27.9202, 30.4051**.

A 20% lighter version of the original color is **58.7787, 54.2076, 77.1772**, and **12.4015, 10.3970, 17.8762** is the 20% darker color. If you saturate the color by 10%, you get **27.1740, 22.1589, 39.8910**, and if you desaturate by 10%, it is **32.9740, 31.8571, 41.4573**.

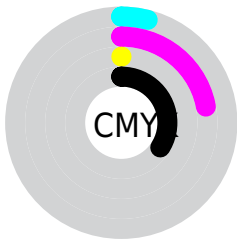
Distribution



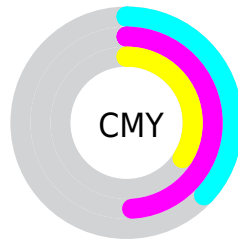
- Red (63%)
- Green (51%)
- Blue (66%)



- Red (63%)
- Yellow (51%)
- Blue (66%)



- Cyan (4%)
- Magenta (22%)
- Yellow (0%)
- Black (34%)



- Cyan (37%)
- Magenta (49%)
- Yellow (34%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.8821, 26.6368, 40.6122 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 29.8821, 26.6368, 40.6122 by changing the saturation by 10% instead.

■ 29.8821, 26.6368,
40.6122

■ 29.8821, 26.6368,
40.6122

293.2742,
285.8942, 364.3257

■ 19.8967, 17.3006,
27.6988

■ 58.8636, 54.3005,
77.3421

■ 12.4278, 10.4491,
17.8617

■ 78.5904, 73.3968,
101.9957

■ 7.1100, 5.6977,
10.6823

■ 102.2951, 96.5153,
131.3997

■ 3.5779, 2.6622,
5.7422

130.3431,
124.0404, 165.9727

■ 1.4663, 0.9580,
2.6227

163.0996,
156.3564, 206.1333

■ 0.3027, 0.0000,
0.9041

200.9301,

■ 0.0000, 0.0000,

193.8478, 252.3000

0.0000

244.1998,
236.8990, 304.8913

■ 29.8821, 26.6368,
40.6122

■ 29.8821, 26.6368,
40.6122

■ 27.1740, 22.1589,
39.8910

■ 32.9740, 31.8571,
41.4573

■ 24.8294, 18.3847,
39.2861

■ 36.4638, 37.8493,
42.4299

■ 22.8301, 15.2772,
38.7917

■ 40.3678, 44.6454,
43.5359

■ 21.1551, 12.7946,
38.4007

■ 44.7008, 52.2746,
44.7802

■ 19.7809, 10.8901,
38.1056

■ 49.4766, 60.7647,
46.1672

■ 18.6808, 9.5107,
37.8973

■ 54.7085, 70.1421,
47.7015

■ 17.8232, 8.5931,
37.7654

■ 60.4094, 80.4321,
49.3872

■ 17.2565, 8.0796,
37.6961

■ 63.1819, 84.8400,
50.0919

■ 63.9651, 85.2438,
50.1285

Harmonies

Analogous

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



27.2998, 26.6368, 46.9133



29.8821, 26.6368, 40.6122



31.2724, 26.6368, 31.8624

Triad

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



29.8821, 26.6368, 40.6122



26.2972, 26.6368, 15.8525



20.3941, 26.6368, 34.8976

Complementary

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



29.8821, 26.6368, 40.6122



28.5815, 35.0479, 26.7325

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.



20.1710, 26.6368, 26.3199



29.8821, 26.6368, 40.6122



23.4335, 26.6368, 16.3530

Square

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



29.8821, 26.6368, 40.6122



29.0997, 26.6368, 18.3175



21.2431, 26.6368, 19.8482



21.8780, 26.6368, 43.1985

Rectangle

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



29.8821, 26.6368, 40.6122



31.2685, 26.6368, 26.2695



21.2431, 26.6368, 19.8482



20.1739, 26.6368, 31.9197

Sweetspot

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



29.8829, 26.6379, 40.6128



62.8424, 62.9511, 76.0637



25.5750, 25.9456, 40.7062



13.6205, 13.5894, 16.5573



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

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



29.8829, 26.6379, 40.6128



51.9526, 44.5548, 73.0868



30.3428, 26.9894, 35.4645



7.7007, 7.5938, 9.4782



13.0718, 6.1222, 28.4682



0.3529, 0.1669, 0.6943

Inverse Universe

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



28.8531, 26.3936, 27.6197



49.8234, 44.0666, 45.4501



28.2536, 34.7872, 30.8571



7.5870, 7.5646, 8.1421



12.4040, 6.3703, 1.6733



0.3178, 0.1614, 0.1252

Previews

White Background



This preview shows how the XYZ color 29.8821, 26.6368, 40.6122 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 29.8821, 26.6368, 40.6122 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

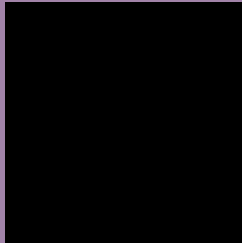
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 29.8821, 26.6368, 40.6122

Background



This preview shows how black text looks on a background with the XYZ color 29.8821, 26.6368, 40.6122.



This preview shows how white text looks on a background with the XYZ color 29.8821, 26.6368,

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

29.8821, 26.6368, 40.6122

Protanopia

26.6909, 26.7987, 43.8103

Deuteranopia

27.3912, 26.8066, 40.2897



Tritanopia

27.9528, 26.6724, 30.8691

Trichromacy



Original Color

29.8821, 26.6368, 40.6122

Protanomaly

27.7197, 26.7095, 42.7242

Deuteranomaly

28.2167, 26.6020, 40.2067

Tritanomaly

28.6559, 26.7542, 34.2256

Monochromacy



Original Color

29.8821, 26.6368, 40.6122

Achromatopsia

26.5089, 27.8894, 30.3716

Achromatomaly

27.5601, 27.2492, 33.9440

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.8821, 26.6368, 40.6122 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(161, 131, 168)` looks like.

```
.text, #text, p{  
    color:rgb(161, 131, 168)  
}
```

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(161, 131, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(161, 131, 168) }
```

Border

The CSS property to change the border of an element to XYZ 29.8821, 26.6368, 40.6122 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(161, 131, 168) }
```


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

```
.border{ border-color:rgb(161, 131, 168) }
```

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

Here you see how a box with a 4 pixel `rgb(161, 131, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(161, 131, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(161, 131, 168);  
box-shadow:4px 4px 4px 4px rgb(161, 131,  
168) }
```

Background

The CSS property to change the background color of an element to XYZ 29.8821, 26.6368, 40.6122 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(161, 131, 168) }
```

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

```
.background{ background-color: rgb(161,  
131, 168) }
```

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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