

Converting Colors

XYZ(29.8161, 28.9734, 46.4043)

Have a look what the booklet for
XYZ(29.8161, 28.9734, 46.4043)
contains.

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Color

**XYZ(29.8132, 29.0106,
46.6761)**

Conversions

Conversions Part 1

Format	Color
Hex	928FB3
RGB	146, 143, 179
RGB Percent	57%, 56%, 70%
CMY	0.4274, 0.4392, 0.2980
CMYK	0.18, 0.20, 0.00, 0.30
HSL	245°, 19%, 63%
HSV	245°, 20%, 70%
XYZ	29.8132, 29.0106, 46.6761
YIQ	148.0010, -9.7680, 11.8320

Conversions

Conversions Part 2

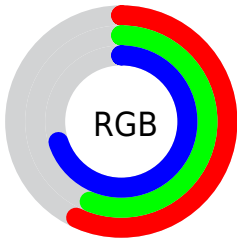
Format	Color
R_{YB}	146, 143, 179
Decimal	9605043
CIE Lab	60.79, 8.73, -18.40
CIE LCh	61, 20.369, 295.374
Yxy	29.0106, 0.2826, 0.2750
Android (android.graphics.Color)	4287795123 (0xFF928FB3)
YUV	148.0010, 15.2825, -1.7549
Hunter-Lab	53.8615, 4.5450, -13.6774

Details

The XYZ color **29.8132, 29.0106, 46.6761** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **38.9835, 43.4542, 32.3208**, and the grayscale version is **28.0907, 29.5536, 32.1839**.

A 20% lighter version of the original color is **58.7811, 58.2100, 86.7348**, and **12.3996, 11.7680, 21.3566** is the 20% darker color. If you saturate the color by 10%, you get **24.6270, 22.6618, 45.7245**, and if you desaturate by 10%, it is **35.8487, 36.4352, 47.7916**.

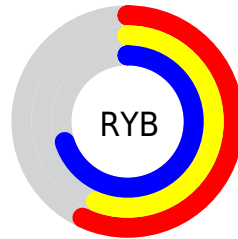
Distribution



Red (57%)

Green (56%)

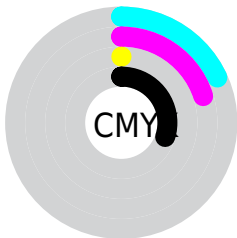
Blue (70%)



Red (57%)

Yellow (56%)

Blue (70%)

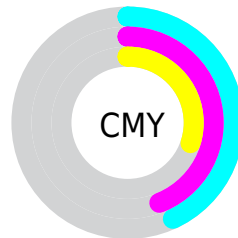


Cyan (18%)

Magenta (20%)

Yellow (0%)

Black (30%)



Cyan (43%)

Magenta (44%)

Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.8132, 29.0106, 46.6761 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 29.8132, 29.0106, 46.6761 by changing the saturation by 10% instead.

■ 29.8132, 29.0106,
46.6761

■ 29.8132, 29.0106,
46.6761

292.9582,
297.2650, 389.8764

■ 19.8442, 19.0888,
32.4272

■ 58.7553, 58.0939,
86.5749

■ 12.3895, 11.7345,
21.4205

■ 78.4591, 78.0243,
113.0617

■ 7.0836, 6.5632,
13.2375

■ 102.1386,
102.0596, 144.4650

■ 3.5612, 3.1904,
7.4596

130.1591,
130.5844, 181.2033

■ 1.4570, 1.2319,
3.6684

162.8859,
163.9829, 223.6950

■ 0.2963, 0.0876,
1.4452

200.6845,

■ 0.0000, 0.0000,

202.6395, 272.3587

0.1766

243.9202,
246.9388, 327.6130

■ 0.0000, 0.0000,
0.0000

■ 29.8132, 29.0106,
46.6761

■ 29.8132, 29.0106,
46.6761

■ 24.6270, 22.6618,
45.7245

■ 35.8487, 36.4352,
47.7916

■ 20.2494, 17.3354,
44.9271

■ 42.7663, 44.9785,
49.0760

■ 16.6402, 12.9790,
44.2765

■ 50.6007, 54.6854,
50.5367

■ 13.7549, 9.5340,
43.7636

■ 59.3836, 65.5973,
52.1800

■ 11.5444, 6.9355,
43.3785

■ 69.1453, 77.7537,
54.0119

■ 9.9534, 5.1100,
43.1100

■ 79.9148, 91.1920,
56.0382

■ 8.9175, 3.9712,
42.9448

■ 85.1368, 96.0347,
56.6977

■ 8.3323, 3.3555,
42.8568

Harmonies

Analogous

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



27.1652, 29.0106, 48.4614



29.8132, 29.0106, 46.6761



31.9784, 29.0106, 40.6169

Triad

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



29.8132, 29.0106, 46.6761



30.5686, 29.0106, 21.0455



22.8046, 29.0106, 30.4264

Complementary

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



29.8132, 29.0106, 46.6761



38.9835, 43.4542, 32.3208

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.



23.5933, 29.0106, 24.0067



29.8132, 29.0106, 46.6761



27.9863, 29.0106, 19.1705

Square

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



29.8132, 29.0106, 46.6761



32.4337, 29.0106, 25.7429



25.4493, 29.0106, 20.1613



23.2252, 29.0106, 38.2561

Rectangle

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



29.8132, 29.0106, 46.6761



32.7984, 29.0106, 35.4137



25.4493, 29.0106, 20.1613



22.9356, 29.0106, 28.0475

Sweetspot

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



29.8141, 29.0118, 46.6768



68.9767, 71.1423, 86.4776



35.1085, 40.3815, 48.5923



15.1089, 15.5482, 19.1270



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



29.8141, 29.0118, 46.6768



49.2236, 46.8437, 82.8285



33.1464, 30.7297, 46.8327



8.1054, 8.2629, 10.6740



5.9120, 2.3835, 30.2855



0.2075, 0.0861, 0.9539

Inverse Universe

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



36.2503, 32.3644, 45.4119



62.8125, 53.9242, 80.0687



35.2978, 41.5542, 32.1483



8.8189, 8.6343, 10.5447



17.8894, 8.6733, 25.6411



0.5718, 0.2765, 0.8537

Previews

White Background



This preview shows how the XYZ color 29.8132, 29.0106, 46.6761 looks on a white background.

Color Contrast Check

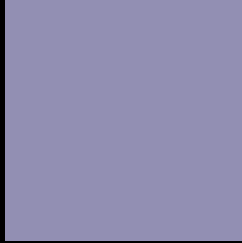
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.8132, 29.0106, 46.6761 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

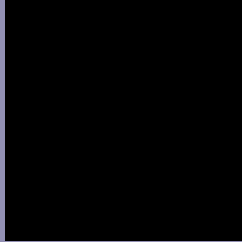
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 29.8132, 29.0106, 46.6761

Background



This preview shows how black text looks on a background with the XYZ color 29.8132, 29.0106, 46.6761.



This preview shows how white text looks on a background with the XYZ color 29.8132, 29.0106,

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

29.8132, 29.0106, 46.6761

Protanopia

28.8449, 28.9494, 47.2475

Deuteranopia

29.6362, 28.9193, 46.6678



Tritanopia

27.7606, 29.0868, 36.4989

Trichromacy



Original Color

29.8132, 29.0106, 46.6761

Protanomaly

29.1960, 28.9045, 47.2204

Deuteranomaly

29.6362, 28.9193, 46.6678

Tritanomaly

28.4895, 29.1506, 40.2015

Monochromacy



Original Color

29.8132, 29.0106, 46.6761

Achromatopsia

28.1479, 29.6138, 32.2495

Achromatomaly

28.5695, 29.2640, 36.9436

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.8132, 29.0106, 46.6761 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(146, 143, 179)` looks like.

```
.text, #text, p{  
    color:rgb(146, 143, 179)  
}
```

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(146, 143, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(146, 143, 179) }
```

Border

The CSS property to change the border of an element to XYZ 29.8132, 29.0106, 46.6761 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(146, 143, 179) }
```


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

```
.border{ border-color:rgb(146, 143, 179) }
```

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

Here you see how a box with a 4 pixel `rgb(146, 143, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(146, 143, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(146, 143, 179);  
box-shadow:4px 4px 4px 4px rgb(146, 143,  
179) }
```

Background

The CSS property to change the background color of an element to XYZ 29.8132, 29.0106, 46.6761 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(146, 143, 179) }
```

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

```
.background{ background-color: rgb(146,  
143, 179) }
```

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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