

Converting Colors

XYZ(29.2794, 29.3100, 42.6247)

Have a look what the booklet for
XYZ(29.2794, 29.3100, 42.6247)
contains.

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Color

**XYZ(29.3301, 29.3021,
42.6381)**

Conversions

Conversions Part 1

Format	Color
Hex	9291AB
RGB	146, 145, 171
RGB Percent	57%, 57%, 67%
CMY	0.4274, 0.4314, 0.3294
CMYK	0.15, 0.15, 0.00, 0.33
HSL	242°, 13%, 62%
HSV	242°, 15%, 67%
XYZ	29.3301, 29.3021, 42.6381
YIQ	148.2630, -7.7500, 8.2980

Conversions

Conversions Part 2

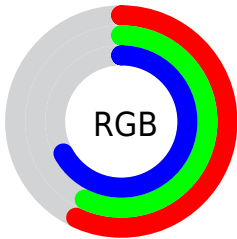
Format	Color
RYB	146, 145, 171
Decimal	9605547
CIELab	61.05, 5.78, -13.48
CIELCh	61, 14.668, 293.202
Yxy	29.3021, 0.2896, 0.2893
Android (android.graphics.Color)	4287795627 (0xFF9291AB)
YUV	148.2630, 11.2093, -1.9847
Hunter-Lab	54.1314, 1.9869, -8.8094

Details

The XYZ color **29.3301, 29.3021, 42.6381** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **36.2525, 39.7171, 32.5450**, and the grayscale version is **28.2158, 29.6852, 32.3272**.

A 20% lighter version of the original color is **57.9703, 58.6172, 80.2104**, and **12.1413, 11.9492, 19.1193** is the 20% darker color. If you saturate the color by 10%, you get **24.1955, 23.0644, 41.7052**, and if you desaturate by 10%, it is **35.2803, 36.5456, 43.7231**.

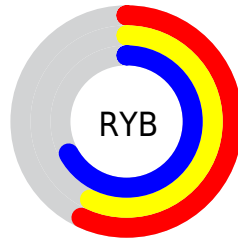
Distribution



Red (57%)

Green (57%)

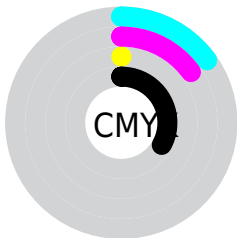
Blue (67%)



Red (57%)

Yellow (57%)

Blue (67%)

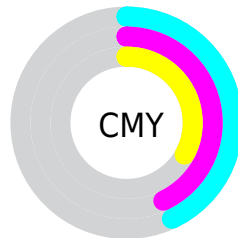


Cyan (15%)

Magenta (15%)

Yellow (0%)

Black (33%)



Cyan (43%)

Magenta (43%)

Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.3301, 29.3021, 42.6381 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 29.3301, 29.3021, 42.6381 by changing the saturation by 10% instead.

■ 29.3301, 29.3021,
42.6381

■ 29.3301, 29.3021,
42.6381

290.7355,
298.6377, 372.9987

■ 19.4762, 19.3095,
29.2720

■ 57.9951, 58.5567,
80.4449

■ 12.1209, 11.8941,
19.0393

■ 77.5369, 78.5875,
105.7227

■ 6.8989, 6.6716,
11.5216

101.0387,
102.7331, 135.8082

■ 3.4447, 3.2576,
6.3003

128.8659,
131.3780, 171.1198

■ 1.3931, 1.2676,
2.9568

161.3838,
164.9065, 212.0761

■ 0.2513, 0.1159,
1.0726

198.9578,

■ 0.0000, 0.0000,

203.7030, 259.0957

0.0000

241.9532,
248.1519, 312.5970

■ 29.3301, 29.3021,
42.6381

■ 29.3301, 29.3021,
42.6381

■ 24.1955, 23.0644,
41.7052

■ 35.2803, 36.5456,
43.7231

■ 19.8384, 17.7846,
40.9157

■ 42.0765, 44.8328,
44.9645

■ 16.2217, 13.4163,
40.2632

■ 49.7512, 54.2039,
46.3688

■ 13.3043, 9.9080,
39.7398

■ 58.3339, 64.6962,
47.9417

■ 11.0409, 7.2029,
39.3369

■ 67.8532, 76.3451,
49.6884

■ 9.3810, 5.2374,
39.0450

■ 78.3360, 89.1843,
51.6141

■ 8.2668, 3.9383,
38.8530

■ 84.3508, 95.7203,
52.5587

■ 7.6280, 3.2154,
38.7471

■ 7.4329, 2.9827,
38.7125

Harmonies

Analogous

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



27.4162, 29.3021, 43.5921



29.3301, 29.3021, 42.6381



30.9115, 29.3021, 38.6635

Triad

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



29.3301, 29.3021, 42.6381



30.1202, 29.3021, 24.1683



24.3448, 29.3021, 30.6703

Complementary

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



29.3301, 29.3021, 42.6381



36.2525, 39.7171, 32.5450

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.



24.9990, 29.3021, 25.9839



29.3301, 29.3021, 42.6381



28.2899, 29.3021, 22.5192

Square

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



29.3301, 29.3021, 42.6381



31.3821, 29.3021, 27.9197



26.4220, 29.3021, 23.1436



24.5948, 29.3021, 36.2526

Rectangle

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



29.3301, 29.3021, 42.6381



31.5351, 29.3021, 35.0578



26.4220, 29.3021, 23.1436



24.4652, 29.3021, 28.9471

Sweetspot

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



29.3310, 29.3033, 42.6388



63.3152, 65.6100, 78.3288



33.4284, 37.7602, 44.0551



13.9465, 14.4205, 17.4361



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



29.3310, 29.3033, 42.6388



49.5111, 48.8103, 75.8137



31.7488, 30.5497, 42.7519



7.6063, 7.7713, 10.0518



5.6136, 2.2538, 29.1837



0.1652, 0.0673, 0.8123

Inverse Universe

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



34.1768, 31.8124, 42.3710



59.7496, 54.1120, 75.2265



33.6053, 38.3524, 32.4211



8.3236, 8.1427, 10.0149



17.7466, 8.5612, 27.3749



0.4977, 0.2398, 0.7826

Previews

White Background



This preview shows how the XYZ color 29.3301, 29.3021, 42.6381 looks on a white background.

Color Contrast Check

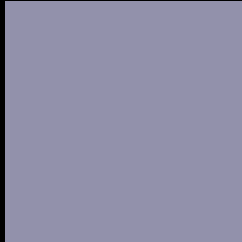
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.3301, 29.3021, 42.6381 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

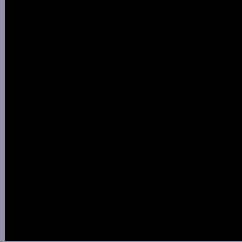
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 29.3301, 29.3021, 42.6381

Background



This preview shows how black text looks on a background with the XYZ color 29.3301, 29.3021, 42.6381.



This preview shows how white text looks on a background with the XYZ color 29.3301, 29.3021,

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

29.3301, 29.3021, 42.6381

Protanopia

28.8806, 29.2871, 43.1605

Deuteranopia

29.9016, 29.3708, 42.6212



Tritanopia

28.1933, 29.2999, 36.9704

Trichromacy



Original Color

29.3301, 29.3021, 42.6381

Protanomaly

29.0530, 29.3760, 43.1686

Deuteranomaly

29.7184, 29.2764, 42.6127

Tritanomaly

28.5668, 29.2219, 38.7851

Monochromacy



Original Color

29.3301, 29.3021, 42.6381

Achromatopsia

28.1479, 29.6138, 32.2495

Achromatomaly

28.4671, 29.4708, 35.6405

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.3301, 29.3021, 42.6381 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, 145, 171)` looks like.

```
.text, #text, p{  
    color:rgb(146, 145, 171)  
}
```

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, 145, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(146, 145, 171) }
```

Border

The CSS property to change the border of an element to XYZ 29.3301, 29.3021, 42.6381 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, 145, 171) }
```


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

```
.border{ border-color:rgb(146, 145, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(146, 145, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(146, 145, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(146, 145, 171);  
box-shadow:4px 4px 4px 4px rgb(146, 145,  
171) }
```

Background

The CSS property to change the background color of an element to XYZ 29.3301, 29.3021, 42.6381 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(146, 145, 171) }
```

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

```
.background{ background-color: rgb(146,  
145, 171) }
```

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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