

Converting Colors

XYZ(29.8271, 29.2173, 46.0425)

Have a look what the booklet for
XYZ(29.8271, 29.2173, 46.0425)
contains.

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Color

**XYZ(29.8632, 29.2719,
46.1956)**

Conversions

Conversions Part 1

Format	Color
Hex	9290B2
RGB	146, 144, 178
RGB Percent	57%, 56%, 70%
CMY	0.4274, 0.4353, 0.3020
CMYK	0.18, 0.19, 0.00, 0.30
HSL	244°, 18%, 63%
HSV	244°, 19%, 70%
XYZ	29.8632, 29.2719, 46.1956
YIQ	148.4740, -9.7220, 10.9980

Conversions

Conversions Part 2

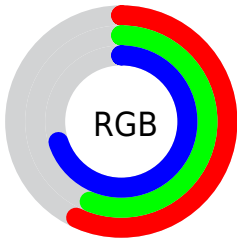
Format	Color
RYB	146, 144, 178
Decimal	9605298
CIELab	61.02, 7.93, -17.49
CIElCh	61, 19.202, 294.385
Yxy	29.2719, 0.2835, 0.2779
Android (android.graphics.Color)	4287795378 (0xFF9290B2)
YUV	148.4740, 14.5563, -2.1697
Hunter-Lab	54.1035, 3.8445, -12.7516

Details

The XYZ color **29.8632, 29.2719, 46.1956** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **38.8600, 43.0853, 32.6551**, and the grayscale version is **28.2910, 29.7644, 32.4134**.

A 20% lighter version of the original color is **58.8648, 58.6080, 86.0519**, and **12.4237, 11.9190, 21.0478** is the 20% darker color. If you saturate the color by 10%, you get **24.6138, 22.8747, 45.2380**, and if you desaturate by 10%, it is **35.9760, 36.7466, 47.3167**.

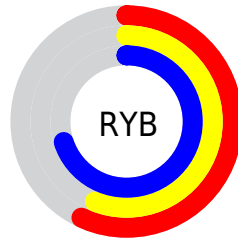
Distribution



Red (57%)

Green (56%)

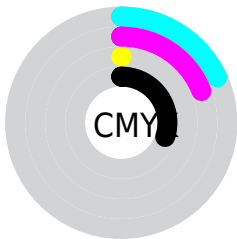
Blue (70%)



Red (57%)

Yellow (56%)

Blue (70%)

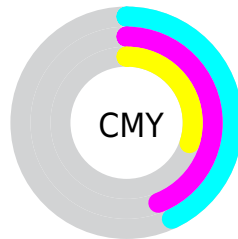


Cyan (18%)

Magenta (19%)

Yellow (0%)

Black (30%)



Cyan (43%)

Magenta (44%)

Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.8632, 29.2719, 46.1956 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 29.8632, 29.2719, 46.1956 by changing the saturation by 10% instead.

■ 29.8632, 29.2719,
46.1956

■ 29.8632, 29.2719,
46.1956

293.1876,
298.4957, 387.8949

■ 19.8823, 19.2866,
32.0504

■ 58.8339, 58.5088,
85.8490

■ 12.4173, 11.8776,
21.1349

■ 78.5544, 78.5292,
112.1943

■ 7.1028, 6.6604,
13.0304

102.2522,
102.6634, 143.4435

■ 3.5734, 3.2506,
7.3185

130.2926,
131.2959, 180.0149

■ 1.4637, 1.2639,
3.5806

163.0410,
164.8109, 222.3272

■ 0.3009, 0.1130,
1.3982

200.8627,

■ 0.0000, 0.0000,

203.5930, 270.7990

0.1403

244.1231,
248.0264, 325.8487

■ 0.0000, 0.0000,
0.0000

■ 29.8632, 29.2719,
46.1956

■ 29.8632, 29.2719,
46.1956

■ 24.6138, 22.8747,
45.2380

■ 35.9760, 36.7466,
47.3167

■ 20.1863, 17.5020,
44.4343

■ 42.9857, 45.3416,
48.6062

■ 16.5398, 13.1016,
43.7771

■ 50.9276, 55.1016,
50.0715

■ 13.6289, 9.6153,
43.2576

■ 59.8339, 66.0679,
51.7188

■ 11.4035, 6.9787,
42.8660

■ 69.7357, 78.2796,
53.5540

■ 9.8072, 5.1190,
42.5912

■ 80.6625, 91.7743,
55.5828

■ 8.7747, 3.9511,
42.4202

■ 85.0360, 95.9944,
56.1669

■ 8.2046, 3.3271,
42.3298

■ 8.1670, 3.2819,
42.3230

Harmonies

Analogous

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



27.3524, 29.2719, 47.7065



29.8632, 29.2719, 46.1956



31.9341, 29.2719, 40.6202

Triad

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



29.8632, 29.2719, 46.1956



30.7290, 29.2719, 21.9019



23.2889, 29.2719, 30.5385

Complementary

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



29.8632, 29.2719, 46.1956



38.8600, 43.0853, 32.6551

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.



24.0791, 29.2719, 24.4799



29.8632, 29.2719, 46.1956



28.2970, 29.2719, 19.9978

Square

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



29.8632, 29.2719, 46.1956



32.4546, 29.2719, 26.4979



25.8761, 29.2719, 20.8654



23.6527, 29.2719, 37.9280

Rectangle

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



29.8632, 29.2719, 46.1956



32.7352, 29.2719, 35.7402



25.8761, 29.2719, 20.8654



23.4269, 29.2719, 28.2937

Sweetspot

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



29.8641, 29.2731, 46.1963



68.8739, 71.0893, 86.4727



35.1226, 40.3129, 48.0500



15.0839, 15.5353, 19.1259



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.



29.8641, 29.2731, 46.1963



49.8762, 47.8631, 82.9909



33.0531, 30.9171, 46.3455



8.0867, 8.2532, 10.6731



5.8623, 2.3579, 30.2831



0.1997, 0.0820, 0.9535

Inverse Universe

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



36.1709, 32.5474, 45.4516



63.4814, 54.9279, 81.3215



35.3130, 41.2568, 32.4891



8.8280, 8.6379, 10.5929



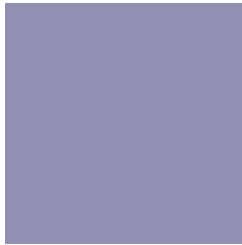
18.1715, 8.7862, 27.1267



0.5782, 0.2790, 0.8876

Previews

White Background



This preview shows how the XYZ color 29.8632, 29.2719, 46.1956 looks on a white background.

Color Contrast Check

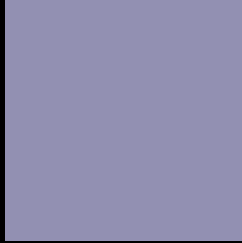
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.8632, 29.2719, 46.1956 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

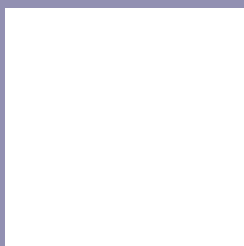
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 29.8632, 29.2719, 46.1956

Background



This preview shows how black text looks on a background with the XYZ color 29.8632, 29.2719, 46.1956.



This preview shows how white text looks on a background with the XYZ color 29.8632, 29.2719,

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

29.8632, 29.2719, 46.1956

Protanopia

29.2308, 29.3879, 46.7796

Deuteranopia

29.8632, 29.2719, 46.1956



Tritanopia

28.0194, 29.2103, 36.9623

Trichromacy



Original Color

29.8632, 29.2719, 46.1956

Protanomaly

29.4174, 29.2563, 46.7444

Deuteranomaly

29.8632, 29.2719, 46.1956

Tritanomaly

28.6634, 29.2402, 40.2096

Monochromacy



Original Color

29.8632, 29.2719, 46.1956

Achromatopsia

28.1479, 29.6138, 32.2495

Achromatomaly

28.7243, 29.5737, 36.9952

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.8632, 29.2719, 46.1956 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, 144, 178)` looks like.

```
.text, #text, p{  
    color:rgb(146, 144, 178)  
}
```

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, 144, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(146, 144, 178) }
```

Border

The CSS property to change the border of an element to XYZ 29.8632, 29.2719, 46.1956 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, 144, 178) }
```


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

```
.border{ border-color:rgb(146, 144, 178) }
```

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

Here you see how a box with a 4 pixel `rgb(146, 144, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(146, 144, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(146, 144, 178);  
box-shadow:4px 4px 4px 4px rgb(146, 144,  
178) }
```

Background

The CSS property to change the background color of an element to XYZ 29.8632, 29.2719, 46.1956 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(146, 144, 178) }
```

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

```
.background{ background-color: rgb(146,  
144, 178) }
```

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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