

Converting Colors

XYZ(29.8553, 22.5737, 43.1916)

Have a look what the booklet for
XYZ(29.8553, 22.5737, 43.1916)
contains.

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Color

**XYZ(30.0011, 22.6904,
43.3559)**

Conversions

Conversions Part 1

Format	Color
Hex	AB6DAF
RGB	171, 109, 175
RGB Percent	67%, 43%, 69%
CMY	0.3294, 0.5725, 0.3137
CMYK	0.02, 0.38, 0.00, 0.31
HSL	296°, 29%, 56%
HSV	296°, 38%, 69%
XYZ	30.0011, 22.6904, 43.3559
YIQ	135.0620, 15.7660, 33.6700

Conversions

Conversions Part 2

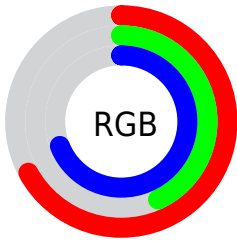
Format	Color
R _Y B	171, 109, 175
Decimal	11234735
CIE Lab	54.75, 35.47, -25.15
CIE LCh	55, 43.484, 324.660
Yxy	22.6904, 0.3124, 0.2362
Android (android.graphics.Color)	4289424815 (0xFFAB6DAF)
YUV	135.0620, 19.6894, 31.5176
Hunter-Lab	47.6344, 29.0625, -20.6204

Details

The XYZ color **30.0011, 22.6904, 43.3559** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **24.9012, 35.2754, 19.9656**, and the grayscale version is **22.9780, 24.1746, 26.3262**.

A 20% lighter version of the original color is **59.0227, 47.9411, 81.7440**, and **12.4129, 8.3150, 19.3631** is the 20% darker color. If you saturate the color by 10%, you get **28.0870, 19.2033, 42.7840**, and if you desaturate by 10%, it is **32.2902, 26.9238, 44.0527**.

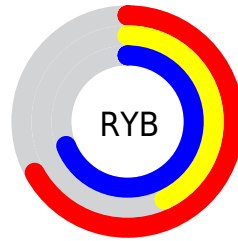
Distribution



Red (67%)

Green (43%)

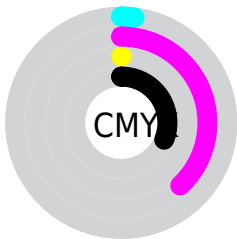
Blue (69%)



Red (67%)

Yellow (43%)

Blue (69%)

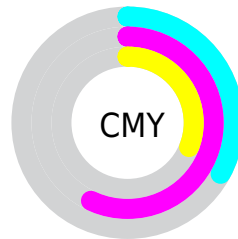


Cyan (2%)

Magenta (38%)

Yellow (0%)

Black (31%)



Cyan (33%)

Magenta (57%)

Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.0011, 22.6904, 43.3559 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 30.0011, 22.6904, 43.3559 by changing the saturation by 10% instead.

30.0011, 22.6904,
43.3559

30.0011, 22.6904,
43.3559

293.8193,
266.1308, 376.0375

19.9875, 14.3651,
29.8310

59.0505, 47.8845,
81.5398

12.4942, 8.3750,
19.4594

78.8171, 65.5220,
107.0358

7.1558, 4.3358,
11.8225

102.5653, 87.0324,
137.3593

3.6069, 1.8631,
6.5019

130.6606,
112.8000, 172.9288

1.4822, 0.5261,
3.0789

163.4683,
143.2092, 214.1628

0.3137, 0.0000,
1.1351

201.3537,

0.0000, 0.0000,

178.6445, 261.4799

0.0000

244.6823,
219.4903, 315.2986

■ 30.0011, 22.6904,
43.3559

■ 30.0011, 22.6904,
43.3559

■ 28.0870, 19.2033,
42.7840

■ 32.2902, 26.9238,
44.0527

■ 26.5234, 16.4150,
42.3283

■ 34.9725, 31.9412,
44.8798

■ 25.2867, 14.2777,
41.9809


■ 38.0674, 37.7812,
45.8439


■ 24.3491, 12.7357,
41.7327


■ 41.5928, 44.4793,
46.9510


■ 23.6782, 11.7246,
41.5729


■ 45.5651, 52.0686,
48.2065


 23.2232, 11.1426,
41.4845

 50.0002, 60.5806,
49.6157

 23.1295, 11.0298,
41.4677

 54.9130, 70.0452,
51.1836

 60.3179, 80.4911,
52.9150

 62.4477, 84.3841,
53.5542

Harmonies

Analogous

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



25.6491, 22.6904, 57.3352



30.0011, 22.6904, 43.3559



32.1174, 22.6904, 27.2473

Triad

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



30.0011, 22.6904, 43.3559



22.4366, 22.6904, 6.6321



14.2221, 22.6904, 37.4502

Complementary

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



30.0011, 22.6904, 43.3559



24.9012, 35.2754, 19.9656

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.



13.6236, 22.6904, 22.3278



30.0011, 22.6904, 43.3559



17.9419, 22.6904, 7.6336

Square

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



30.0011, 22.6904, 43.3559



27.3549, 22.6904, 8.8134



14.8826, 22.6904, 12.3582



16.6584, 22.6904, 53.1323

Rectangle

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



30.0011, 22.6904, 43.3559



31.7792, 22.6904, 18.6046



14.8826, 22.6904, 12.3582



13.8162, 22.6904, 32.0139

Sweetspot

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



30.0018, 22.6914, 43.3564



66.1631, 63.8554, 81.4750



19.9954, 18.2472, 43.0260



14.5407, 13.8814, 18.0573



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

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



30.0018, 22.6914, 43.3564



50.9154, 35.5003, 76.8056



28.3681, 22.1401, 30.1367



8.2884, 8.1230, 10.0837



16.5825, 7.9084, 29.6970



0.4754, 0.2273, 0.8268

Inverse Universe

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



26.1293, 21.2445, 18.3473



43.0715, 32.5841, 25.4961



26.1960, 35.7352, 29.4111



8.0242, 8.0229, 8.4382



12.7106, 6.5468, 0.8556



0.3598, 0.1846, 0.0566

Previews

White Background



This preview shows how the XYZ color 30.0011, 22.6904, 43.3559 looks on a white background.

Color Contrast Check

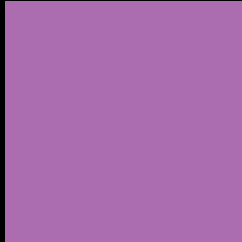
Large Text (above 18pt) WCAG AA ✓ Pass

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 30.0011, 22.6904, 43.3559 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

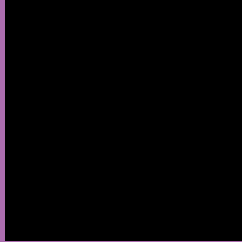
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 30.0011, 22.6904, 43.3559

Background



This preview shows how black text looks on a background with the XYZ color 30.0011, 22.6904, 43.3559.



This preview shows how white text looks on a background with the XYZ color 30.0011, 22.6904,

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

30.0011, 22.6904, 43.3559

Protanopia

23.8098, 22.8416, 52.4442

Deuteranopia

23.3693, 22.8517, 41.7072



Tritanopia

26.0102, 22.7515, 23.4427

Trichromacy



Original Color

30.0011, 22.6904, 43.3559

Protanomaly

25.3894, 22.4084, 48.8860

Deuteranomaly

25.2211, 22.4731, 42.0382

Tritanomaly

27.1779, 22.5213, 29.7027

Monochromacy



Original Color

30.0011, 22.6904, 43.3559

Achromatopsia

23.0288, 24.2281, 26.3844

Achromatomaly

25.1786, 23.4196, 32.0475

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.0011, 22.6904, 43.3559 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(171, 109, 175)` looks like.

```
.text, #text, p{  
    color:rgb(171, 109, 175)  
}
```

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(171, 109, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 109, 175) }
```

Border

The CSS property to change the border of an element to XYZ 30.0011, 22.6904, 43.3559 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(171, 109, 175) }
```


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

```
.border{ border-color:rgb(171, 109, 175) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 109, 175)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 109, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 109, 175);  
box-shadow:4px 4px 4px 4px rgb(171, 109,  
175) }
```

Background

The CSS property to change the background color of an element to XYZ 30.0011, 22.6904, 43.3559 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 109, 175) }
```

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

```
.background{ background-color: rgb(171,  
109, 175) }
```

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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