

Converting Colors

XYZ(46.6737, 30.3376, 55.8312)

Have a look what the booklet for
XYZ(46.6737, 30.3376, 55.8312)
contains.

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Color

**XYZ(46.6939, 30.4196,
55.6351)**

Conversions

Conversions Part 1

Format	Color
Hex	E369C4
RGB	227, 105, 196
RGB Percent	89%, 41%, 77%
CMY	0.1098, 0.5882, 0.2314
CMYK	0.00, 0.54, 0.14, 0.11
HSL	315°, 69%, 65%
HSV	315°, 54%, 89%
XYZ	46.6939, 30.4196, 55.6351
YIQ	151.8520, 43.5010, 54.1650

Conversions

Conversions Part 2

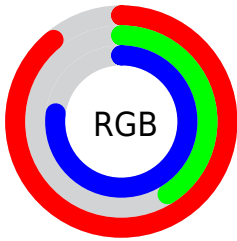
Format	Color
R _{YB}	227, 105, 196
Decimal	14903748
CIE _{Lab}	62.01, 58.26, -25.38
CIE _{LCh}	62, 63.548, 336.456
Yxy	30.4196, 0.3517, 0.2292
Android (android.graphics.Color)	4293093828 (0xFFE369C4)
YUV	151.8520, 21.7650, 65.9048
Hunter-Lab	55.1540, 54.6004, -21.1994

Details

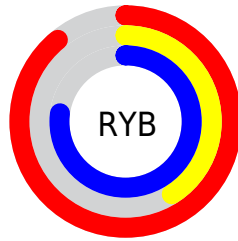
The XYZ color **46.6939, 30.4196, 55.6351** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **37.7401, 59.7199, 32.8330**, and the grayscale version is **29.6784, 31.2240, 34.0030**.

A 20% lighter version of the original color is **71.7145, 53.8416, 99.5412**, and **22.3016, 12.5019, 26.8289** is the 20% darker color. If you saturate the color by 10%, you get **44.0389, 26.1398, 51.5728**, and if you desaturate by 10%, it is **49.9930, 35.9463, 60.0372**.

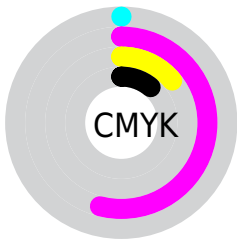
Distribution



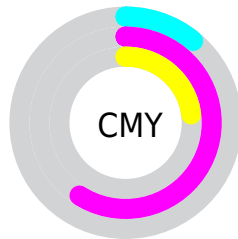
- Red (89%)
- Green (41%)
- Blue (77%)



- Red (89%)
- Yellow (41%)
- Blue (77%)



- Cyan (0%)
- Magenta (54%)
- Yellow (14%)
- Black (11%)





- Cyan (11%)
- Magenta (59%)
- Yellow (23%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.6939, 30.4196, 55.6351 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 46.6939, 30.4196, 55.6351 by changing the saturation by 10% instead.


 46.6939, 30.4196,
55.6351

 46.6939, 30.4196,
55.6351


364.2607,
303.8554, 425.6645


 33.0007, 20.1573,
39.5084


 84.4781, 60.3251,
99.9513


 22.2862, 12.5094,
26.8446


 109.2997, 80.7371,
128.9779

 14.1851, 7.0916,
17.2251


 138.5615,
105.3012, 163.1416

 8.3321, 3.5195,
10.2315

 172.6289,
134.4016, 202.8608

 4.3618, 1.4086,
5.4451

211.8671,
168.4229, 248.5542

 1.9088, 0.2230,
2.4474

256.6416,

 0.5819, 0.0000,

207.7493, 300.6402

0.8121

307.3177,
252.7654, 359.5375

■ 0.0000, 0.0000,
0.0000

■ 46.6939, 30.4196,
55.6351

■ 46.6939, 30.4196,
55.6351

■ 44.0389, 26.1398,
51.5728

■ 49.9930, 35.9463,
60.0372

■ 41.9745, 23.0018,
47.8303

■ 53.9784, 42.8051,
64.7937

■ 40.4433, 20.8907,
44.3873

■ 58.6919, 51.0788,
69.9202

■ 39.3744, 19.6650,
41.2188

■ 64.1711, 60.8422,
75.4304

■ 38.8700, 19.2075,
39.3513

■ 70.4509, 72.1648,
81.3374

■ 77.5642, 85.1118,
87.6534

■ 82.6342, 93.9292,
93.4207

■ 83.4879, 94.2707,
97.9162

■ 84.3689, 94.6231,
102.5556

Harmonies

Analogous

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



39.7877, 30.4196, 87.0449



46.6939, 30.4196, 55.6351



48.4506, 30.4196, 28.1185

Triad

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



46.6939, 30.4196, 55.6351



27.1086, 30.4196, 4.9465



17.6313, 30.4196, 69.5806

Complementary

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



46.6939, 30.4196, 55.6351



37.7401, 59.7199, 32.8330

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.



15.4922, 30.4196, 38.6860



46.6939, 30.4196, 55.6351



20.2256, 30.4196, 7.8941

Square

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



46.6939, 30.4196, 55.6351



35.9672, 30.4196, 6.0338



16.3388, 30.4196, 17.6861



22.8471, 30.4196, 97.4897

Rectangle

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



46.6939, 30.4196, 55.6351



46.2109, 30.4196, 16.3004



16.3388, 30.4196, 17.6861



16.5806, 30.4196, 58.7474

Sweetspot

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



46.6949, 30.4210, 55.6357



81.7626, 76.0246, 96.4570



28.9906, 20.8435, 75.1687



17.1770, 15.6947, 20.3241



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



46.6949, 30.4210, 55.6357



57.1274, 33.7107, 66.7994



41.1398, 28.1990, 26.3832



14.8304, 14.5494, 17.3075



22.7184, 11.2216, 23.2101



1.7157, 0.8440, 1.9096

Inverse Universe

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



46.6949, 30.4210, 55.6357



57.1274, 33.7107, 66.7994



43.3168, 61.9506, 62.1993



14.8304, 14.5494, 17.3075



22.7184, 11.2216, 23.2101



1.7157, 0.8440, 1.9096

Previews

White Background



This preview shows how the XYZ color 46.6939, 30.4196, 55.6351 looks on a white background.

Color Contrast Check

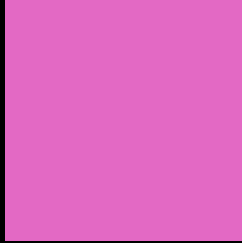
Large Text (above 18pt) WCAG AA × Fail

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 46.6939, 30.4196, 55.6351 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

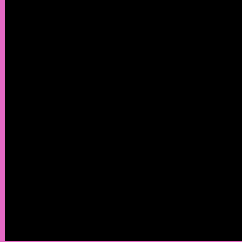
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 46.6939, 30.4196, 55.6351

Background



This preview shows how black text looks on a background with the XYZ color 46.6939, 30.4196, 55.6351.

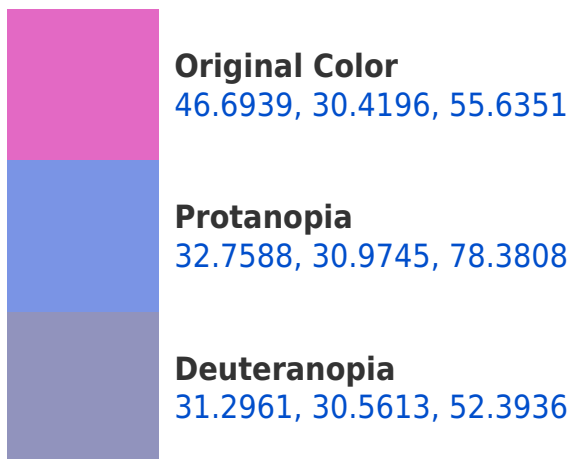


This preview shows how white text looks on a background with the XYZ color 46.6939, 30.4196,

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





Tritanopia

40.1941, 30.2336, 24.4861

Trichromacy



Original Color

46.6939, 30.4196, 55.6351



Protanomaly

35.2729, 28.9859, 69.3814



Deuteranomaly

35.4449, 29.4223, 53.6801



Tritanomaly

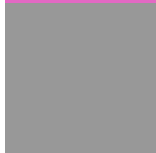
42.3119, 30.2494, 33.7456

Monochromacy



Original Color

46.6939, 30.4196, 55.6351



Achromatopsia

29.8446, 31.3989, 34.1934



Achromatomaly

34.3223, 29.7388, 40.9770

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.6939, 30.4196, 55.6351 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(227, 105, 196)` looks like.

```
.text, #text, p{  
    color:rgb(227, 105, 196)  
}
```

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(227, 105, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 105, 196) }
```

Border

The CSS property to change the border of an element to XYZ 46.6939, 30.4196, 55.6351 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(227, 105, 196) }
```


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

```
.border{ border-color:rgb(227, 105, 196) }
```

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

Here you see how a box with a 4 pixel `rgb(227, 105, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 105, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 105, 196);  
box-shadow:4px 4px 4px 4px rgb(227, 105,  
196) }
```

Background

The CSS property to change the background color of an element to XYZ 46.6939, 30.4196, 55.6351 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 105, 196) }
```

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

```
.background{ background-color: rgb(227,  
105, 196) }
```

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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