

Converting Colors

XYZ(12.6029, 11.1058, 27.8422)

Have a look what the booklet for
XYZ(12.6029, 11.1058, 27.8422)
contains.

XYZ(12.6436, 11.1169, 27.8649) 3

Conversions 4

Details 6

Harmonies 12

Previews 24

Color Blindness Simulation 28

CSS Examples 31

Color

**XYZ(12.6436, 11.1169,
27.8649)**

Conversions

Conversions Part 1	
Format	Color
Hex	595890
RGB	89, 88, 144
RGB Percent	35%, 35%, 56%
CMY	0.6510, 0.6549, 0.4353
CMYK	0.38, 0.39, 0.00, 0.44
HSL	241°, 24%, 45%
HSV	241°, 39%, 56%
XYZ	12.6436, 11.1169, 27.8649
YIQ	94.6830, -17.3800, 17.6280

Conversions

Conversions Part 2

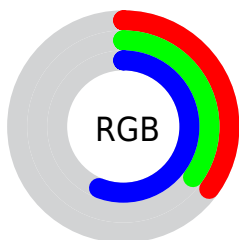
Format	Color
RYB	89, 88, 144
Decimal	5855376
CIELab	39.78, 14.82, -30.81
CIELCh	40, 34.192, 295.691
Yxy	11.1169, 0.2449, 0.2153
Android (android.graphics.Color)	4284045456 (0xFF595890)
YUV	94.6830, 24.3133, -4.9840
Hunter-Lab	33.3420, 9.3403, -26.2110

Details

The XYZ color **12.6436, 11.1169, 27.8649** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **23.0624, 26.4908, 13.1306**, and the grayscale version is **10.7487, 11.3084, 12.3149**.

A 20% lighter version of the original color is **30.2660, 27.9169, 57.2194**, and **3.6764, 2.9494, 10.7315** is the 20% darker color. If you saturate the color by 10%, you get **10.3471, 8.3484, 27.4518**, and if you desaturate by 10%, it is **15.4352, 14.4877, 28.3686**.

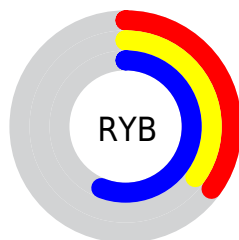
Distribution



Red (35%)

Green (35%)

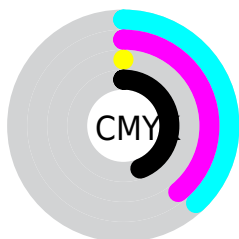
Blue (56%)



Red (35%)

Yellow (35%)

Blue (56%)

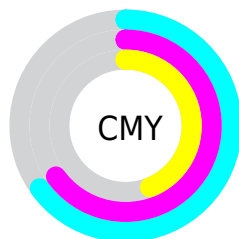


Cyan (38%)

Magenta (39%)

Yellow (0%)

Black (44%)



Cyan (65%)


Magenta (65%)

Yellow (44%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 12.6436, 11.1169, 27.8649 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 12.6436, 11.1169, 27.8649 by changing the saturation by 10% instead.


 12.6436, 11.1169,
27.8649


 12.6436, 11.1169,
27.8649


202.3049,
198.4678, 305.7124

 7.2589, 6.1455,
17.9857


 30.2688, 27.8761,
57.2892


 3.6723, 2.9338,
10.7704


 43.2400, 40.4328,
77.6713


 1.5185, 1.0973,
5.8004


 59.4707, 56.2866,
102.3915

 0.3383, 0.0000,
2.6573

 79.3263, 75.8221,
131.8683

 0.0000, 0.0000,
0.9218

 103.1722, 99.4235,
166.5203

 0.0000, 0.0000,
0.0000

131.3737,

127.4754, 206.7659

164.2961,
160.3620, 253.0238

■ 12.6436, 11.1169,
27.8649

■ 12.6436, 11.1169,
27.8649

■ 10.3471, 8.3484,
27.4518

■ 15.4352, 14.4877,
28.3686

■ 8.5155, 6.1455,
27.1231

■ 18.7471, 18.4919,
28.9669

■ 7.1177, 4.4696,
26.8733

■ 22.6044, 23.1602,
29.6647

■ 6.1178, 3.2767,
26.6957

■ 27.0300, 28.5208,
30.4661

■ 5.4743, 2.5157,
26.5828

■ 32.0456, 34.6002,
31.3752

■ 5.1034, 2.0752,
26.5173

■ 37.6719, 41.4236,
32.3958

■ 5.0663, 2.0302,
26.5106

■ 43.9283, 49.0151,
33.5313

■ 50.8337, 57.3975,
34.7853

■ 58.4058, 66.5927,
36.1611

Harmonies

Analogous

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



10.2312, 11.1169, 30.0828



12.6436, 11.1169, 27.8649



14.7446, 11.1169, 20.9376

Triad

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



12.6436, 11.1169, 27.8649



13.3165, 11.1169, 4.2652



6.6783, 11.1169, 11.1600

Complementary

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



12.6436, 11.1169, 27.8649



23.0624, 26.4908, 13.1306

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.



7.2628, 11.1169, 6.1881



12.6436, 11.1169, 27.8649



10.9086, 11.1169, 3.2550

Square

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



12.6436, 11.1169, 27.8649



15.1717, 11.1169, 7.3257



8.7299, 11.1169, 3.7994



7.0022, 11.1169, 18.6086

Rectangle

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



12.6436, 11.1169, 27.8649



15.5642, 11.1169, 15.5840



8.7299, 11.1169, 3.7994



6.7723, 11.1169, 9.1856

Sweetspot

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



12.6440, 11.1173, 27.8652



37.4742, 37.9503, 51.8881



18.8913, 23.7535, 29.9749



8.4148, 8.4863, 11.8667



69.3244, 72.9347, 79.4259



10.7221, 11.2805, 12.2844

Same Dimension

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



12.6440, 11.1173, 27.8652



18.5888, 15.1330, 48.4792



15.8512, 12.7707, 28.0153



5.1380, 5.2593, 6.7731



4.4140, 1.7691, 23.0859



0.0436, 0.0176, 0.2208

Inverse Universe

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



19.9494, 14.8922, 27.8093



33.4291, 22.8025, 48.3094



18.8140, 24.3007, 12.9318



5.6222, 5.5094, 6.7743



14.2311, 6.8495, 22.6660



0.1369, 0.0658, 0.2212

Previews

White Background



This preview shows how the XYZ color 12.6436, 11.1169, 27.8649 looks on a white 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

Black Background



This preview shows how the XYZ color 12.6436, 11.1169, 27.8649 looks on a black 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

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

XYZ 12.6436, 11.1169, 27.8649

Background



This preview shows how black text looks on a background with the XYZ color 12.6436, 11.1169, 27.8649.

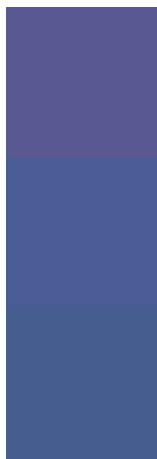


This preview shows how white text looks on a background with the XYZ color 12.6436, 11.1169,

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

12.6436, 11.1169, 27.8649

Protanopia

11.8413, 11.1773, 29.1371

Deuteranopia

11.3981, 11.1140, 27.5311



Tritanopia

9.9898, 11.0707, 14.7070

Trichromacy



Original Color
12.6436, 11.1169, 27.8649

Protanomaly
12.1538, 11.2198, 28.7192

Deuteranomaly
11.7596, 11.0431, 27.4983

Tritanomaly
10.8114, 10.9996, 19.0061

Monochromacy



Original Color
12.6436, 11.1169, 27.8649

Achromatopsia
10.8771, 11.4435, 12.4620

Achromatomaly
11.3220, 11.1737, 17.1828

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.6436, 11.1169, 27.8649 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(89, 88, 144) looks like.

```
.text, #text, p{  
    color:rgb(89, 88, 144)  
}
```

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(89, 88, 144) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(89, 88, 144) }
```

Border

The CSS property to change the border of an element to XYZ 12.6436, 11.1169, 27.8649 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(89, 88, 144) }
```


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

```
.border{ border-color:rgb(89, 88, 144) }
```

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

Here you see how a box with a 4 pixel rgb(89, 88, 144) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(89, 88, 144); -webkit-box-  
shadow:4px 4px 4px 4px rgb(89, 88, 144);  
box-shadow:4px 4px 4px 4px rgb(89, 88,  
144) }
```

Background

The CSS property to change the background color of an element to XYZ 12.6436, 11.1169, 27.8649 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(89, 88, 144) }
```

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

```
.background{ background-color: rgb(89, 88,  
144) }
```

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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