

Converting Colors

XYZ(12.1234, 14.1234, 28.5356)

Have a look what the booklet for
XYZ(12.1234, 14.1234, 28.5356)
contains.

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Color

**XYZ(12.0837, 14.0863,
28.4676)**

Conversions

Conversions Part 1

Format	Color
Hex	336F90
RGB	51, 111, 144
RGB Percent	20%, 44%, 56%
CMY	0.8000, 0.5647, 0.4353
CMYK	0.65, 0.23, 0.00, 0.44
HSL	201°, 48%, 38%
HSV	201°, 65%, 56%
XYZ	12.0837, 14.0863, 28.4676
YIQ	96.8220, -46.3530, -2.4570

Conversions

Conversions Part 2

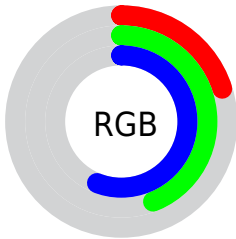
Format	Color
RYB	51, 87, 144
Decimal	3370896
CIELab	44.36, -8.74, -23.82
CIElCh	44, 25.378, 249.849
Yxy	14.0863, 0.2212, 0.2578
Android (android.graphics.Color)	4281560976 (0xFF336F90)
YUV	96.8220, 23.2588, -40.1859
Hunter-Lab	37.5317, -8.2107, -18.6989




Details

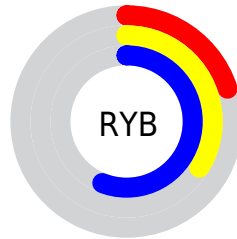
The XYZ color **12.0837, 14.0863, 28.4676** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **15.2700, 12.5096, 4.7423**, and the grayscale version is **11.2721, 11.8591, 12.9145**.




A 20% lighter version of the original color is **29.3536, 33.3974, 58.3253**, and **3.7533, 4.3453, 10.9968** is the 20% darker color. If you saturate the color by 10%, you get **10.9258, 12.6855, 28.2585**, and if you desaturate by 10%, it is **13.4992, 15.6678, 28.6985**.

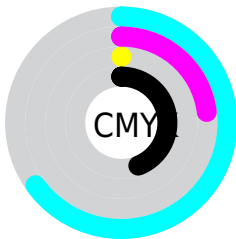
Distribution







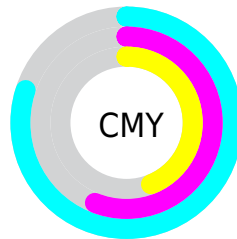
-  Red (20%)
-  Green (44%)
-  Blue (56%)






-  Red (20%)
-  Yellow (34%)
-  Blue (56%)



-  Cyan (65%)
-  Magenta (23%)
-  Yellow (0%)
-  Black (44%)



-  Cyan (80%)
-  Magenta (56%)
-  Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.0837, 14.0863, 28.4676 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 12.0837, 14.0863, 28.4676 by changing the saturation by 10% instead.

■ 12.0837, 14.0863,
28.4676

■ 12.0837, 14.0863,
28.4676

■ 198.7172,
217.7670, 308.6765

■ 6.8733, 8.1807,
18.4363

■ 29.2630, 33.2421,
58.2622

■ 3.4286, 4.2108,
11.0910

■ 41.9626, 47.2611,
78.8626

■ 1.3843, 1.7922,
6.0132

■ 57.8893, 64.7533,
103.8231

■ 0.2450, 0.4823,
2.7842

■ 77.4085, 86.1032,
133.5623

■ 0.0000, 0.0000,
0.9855

■ 100.8856,
111.6951, 168.4987

■ 0.0000, 0.0000,
0.0000

■ 128.6858,

141.9134, 209.0508

161.1746,
177.1426, 255.6373

■ 12.0837, 14.0863,
28.4676

■ 12.0837, 14.0863,
28.4676

■ 10.9258, 12.6855,
28.2585

■ 13.4992, 15.6678,
28.6985

■ 10.0020, 11.4517,
28.0691

■ 15.1902, 17.4392,
28.9513

■ 9.2848, 10.3701,
27.8981

■ 17.1745, 19.4106,
29.2273

■ 8.9399, 9.8253,
27.8111

■ 19.4679, 21.5911,
29.5273

■ 22.0851, 23.9887,
29.8521

■ 25.0397, 26.6113,
30.2026

■ 28.3445, 29.4662,
30.5795

■ 32.0117, 32.5603,
30.9834

■ 36.0529, 35.9001,
31.4150

Harmonies

Analogous

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



10.6002, 14.0863, 23.7098



12.0837, 14.0863, 28.4676



14.0701, 14.0863, 29.2625

Triad

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



12.0837, 14.0863, 28.4676



17.6318, 14.0863, 13.4971



11.0317, 14.0863, 8.2350

Complementary

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



12.0837, 14.0863, 28.4676



15.2700, 12.5096, 4.7423

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.



12.7295, 14.0863, 6.7255



12.0837, 14.0863, 28.4676



16.6276, 14.0863, 9.2125

Square

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



12.0837, 14.0863, 28.4676



17.4140, 14.0863, 19.5370



14.7842, 14.0863, 7.0310



10.0369, 14.0863, 11.7876

Rectangle

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



12.0837, 14.0863, 28.4676



15.4349, 14.0863, 27.2738



14.7842, 14.0863, 7.0310



11.5317, 14.0863, 7.5185

Sweetspot

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



12.0842, 14.0868, 28.4679



36.6597, 40.2276, 52.3706



12.9216, 21.2838, 11.7232



8.1372, 8.9771, 11.9761



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.



12.0842, 14.0868, 28.4679



18.5717, 21.4697, 49.7033



8.2872, 6.4929, 27.2023



5.4014, 5.7986, 6.8633



7.8076, 8.6012, 24.2258



0.0955, 0.1239, 0.2386

Inverse Universe

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



15.5551, 9.4451, 16.0427



25.5368, 13.9296, 24.3710



20.0888, 22.1473, 6.3486



5.5461, 5.4790, 6.3737



11.7440, 5.8546, 9.5693



0.1228, 0.0602, 0.1469

Previews

White Background



This preview shows how the XYZ color 12.0837, 14.0863, 28.4676 looks on a white background.

Color Contrast Check

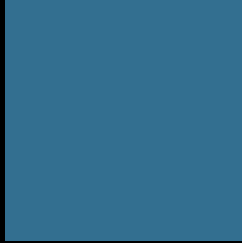
Large Text (above 18pt) WCAG AA ✓ Pass

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 12.0837, 14.0863, 28.4676 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

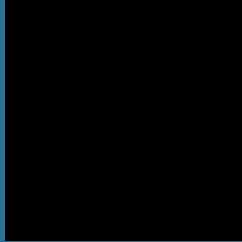
Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

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

XYZ 12.0837, 14.0863, 28.4676

Background



This preview shows how black text looks on a background with the XYZ color 12.0837, 14.0863, 28.4676.



This preview shows how white text looks on a background with the XYZ color 12.0837, 14.0863,

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

12.0837, 14.0863, 28.4676

Protanopia

14.1570, 13.9684, 25.9948

Deuteranopia

14.2550, 13.9495, 29.1353



Tritanopia

10.6439, 14.1678, 21.2425

Trichromacy



Original Color

12.0837, 14.0863, 28.4676

Protanomaly

13.1121, 13.8638, 26.7958

Deuteranomaly

13.2454, 13.8889, 28.7708

Tritanomaly

11.1528, 14.2088, 23.6275

Monochromacy



Original Color

12.0837, 14.0863, 28.4676

Achromatopsia

11.3621, 11.9538, 13.0177

Achromatomaly

11.0969, 12.4231, 17.7326

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.0837, 14.0863, 28.4676 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(51, 111, 144)` looks like.

```
.text, #text, p{  
    color:rgb(51, 111, 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(51, 111, 144) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 111, 144) }
```

Border

The CSS property to change the border of an element to XYZ 12.0837, 14.0863, 28.4676 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(51, 111, 144) }
```


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

```
.border{ border-color:rgb(51, 111, 144) }
```

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

Here you see how a box with a 4 pixel `rgb(51, 111, 144)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 111, 144); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 111, 144);  
box-shadow:4px 4px 4px 4px rgb(51, 111,  
144) }
```

Background

The CSS property to change the background color of an element to XYZ 12.0837, 14.0863, 28.4676 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 111, 144) }
```

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

```
.background{ background-color: rgb(51, 111,  
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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