

Converting Colors

XYZ(12.8290, 14.7501, 28.4845)

Have a look what the booklet for
XYZ(12.8290, 14.7501, 28.4845)
contains.

XYZ(12.8636, 14.8160, 28.5673)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(12.8636, 14.8160,
28.5673)**

Conversions

Conversions Part 1

Format	Color
Hex	3D7190
RGB	61, 113, 144
RGB Percent	24%, 44%, 56%
CMY	0.7608, 0.5569, 0.4353
CMYK	0.58, 0.22, 0.00, 0.44
HSL	202°, 40%, 40%
HSV	202°, 58%, 56%
XYZ	12.8636, 14.8160, 28.5673
YIQ	100.9860, -40.9430, -1.3830

Conversions

Conversions Part 2

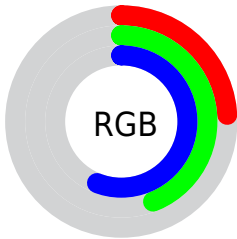
Format	Color
RYB	61, 93, 144
Decimal	4026768
CIELab	45.38, -7.86, -22.21
CIELCh	45, 23.558, 250.502
Yxy	14.8160, 0.2287, 0.2634
Android (android.graphics.Color)	4282216848 (0xFF3D7190)
YUV	100.9860, 21.2059, -35.0677
Hunter-Lab	38.4916, -7.7068, -17.0592

Details

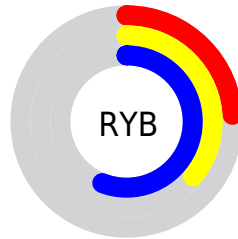
The XYZ color **12.8636, 14.8160, 28.5673** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **16.1714, 13.9209, 6.2500**, and the grayscale version is **12.3211, 12.9627, 14.1164**.

A 20% lighter version of the original color is **30.7184, 34.6323, 58.4918**, and **3.8661, 4.5709, 11.0344** is the 20% darker color. If you saturate the color by 10%, you get **11.5111, 13.2545, 28.3375**, and if you desaturate by 10%, it is **14.4907, 16.5724, 28.8208**.

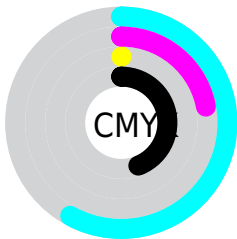
Distribution



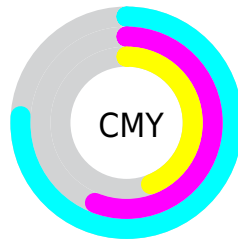
- Red (24%)
- Green (44%)
- Blue (56%)



- Red (24%)
- Yellow (36%)
- Blue (56%)



- Cyan (58%)
- Magenta (22%)
- Yellow (0%)
- Black (44%)



- Cyan (76%)
- Magenta (56%)
- Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.8636, 14.8160, 28.5673 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 12.8636, 14.8160, 28.5673 by changing the saturation by 10% instead.

■ 12.8636, 14.8160,
28.5673

■ 12.8636, 14.8160,
28.5673

203.6970,
222.2498, 309.1646

■ 7.4110, 8.6904,
18.5110

■ 30.6619, 34.5301,
58.4229

■ 3.7691, 4.5398,
11.1442

■ 43.7384, 48.8873,
79.0592

■ 1.5723, 1.9799,
6.0485

■ 60.0869, 66.7571,
104.0592

■ 0.3743, 0.5957,
2.8054

■ 80.0727, 88.5240,
133.8416

■ 0.0000, 0.0000,
0.9961

■ 104.0613,
114.5723, 168.8248

■ 0.0000, 0.0000,
0.0000

132.4180,

145.2865, 209.4273

165.5081,
181.0508, 256.0677

■ 12.8636, 14.8160,
28.5673

■ 12.8636, 14.8160,
28.5673

■ 11.5111, 13.2545,
28.3375

■ 14.4907, 16.5724,
28.8208

■ 10.4116, 11.8750,
28.1292

■ 16.4088, 18.5323,
29.0980

■ 9.5423, 10.6652,
27.9415

■ 18.6349, 20.7054,
29.4002

■ 8.8597, 9.6017,
27.7721

■ 21.1840, 23.1005,
29.7281

■ 8.7087, 9.3628,
27.7340

■ 24.0700, 25.7254,
30.0827

■ 27.3061, 28.5879,
30.4646

■ 30.9048, 31.6951,
30.8747

■ 34.8778, 35.0538,
31.3136

■ 39.2364, 38.6706,
31.7820

Harmonies

Analogous

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



11.4112, 14.8160, 24.1893



12.8636, 14.8160, 28.5673



14.7790, 14.8160, 29.2122

Triad

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



12.8636, 14.8160, 28.5673



18.1140, 14.8160, 14.2470



11.7776, 14.8160, 9.2488

Complementary

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



12.8636, 14.8160, 28.5673



16.1714, 13.9209, 6.2500

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.



13.4076, 14.8160, 7.6888



12.8636, 14.8160, 28.5673



17.1404, 14.8160, 10.0981

Square

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



12.8636, 14.8160, 28.5673



17.9340, 14.8160, 20.0015



15.3754, 14.8160, 7.9587



10.8255, 14.8160, 12.7970

Rectangle

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



12.8636, 14.8160, 28.5673



16.0791, 14.8160, 27.3083



15.3754, 14.8160, 7.9587



12.2579, 14.8160, 8.5164

Sweetspot

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



12.8641, 14.8165, 28.5677



37.5016, 40.8713, 52.4504



13.8052, 21.7018, 13.4576



8.4082, 9.1952, 12.0039



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.



12.8641, 14.8165, 28.5677



19.7208, 22.6704, 49.8744



9.2806, 7.6495, 27.3732



5.3933, 5.7823, 6.8606



7.6066, 8.1991, 24.1588



0.0939, 0.1208, 0.2380

Inverse Universe

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



16.1514, 10.4595, 16.7910



26.3848, 15.2946, 25.6739



20.7226, 23.0234, 7.7671



5.5420, 5.4773, 6.3520



11.6426, 5.8140, 9.0350



0.1220, 0.0599, 0.1428

Previews

White Background



This preview shows how the XYZ color 12.8636, 14.8160, 28.5673 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 12.8636, 14.8160, 28.5673 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

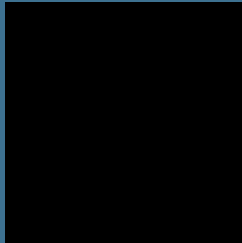
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 12.8636, 14.8160, 28.5673

Background



This preview shows how black text looks on a background with the XYZ color 12.8636, 14.8160, 28.5673.

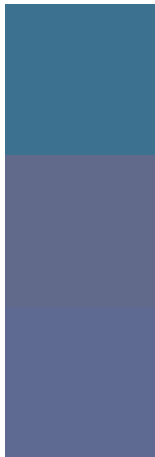


This preview shows how white text looks on a background with the XYZ color 12.8636, 14.8160,

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

12.8636, 14.8160, 28.5673

Protanopia

14.8512, 14.7688, 26.4940

Deuteranopia

15.0617, 14.8163, 29.2601



Tritanopia

11.5326, 14.7814, 21.9839

Trichromacy



Original Color

12.8636, 14.8160, 28.5673

Protanomaly

14.0227, 14.7917, 27.3153

Deuteranomaly

14.1468, 14.8206, 28.9031

Tritanomaly

12.0517, 14.8248, 24.4166

Monochromacy



Original Color

12.8636, 14.8160, 28.5673

Achromatopsia

12.3695, 13.0136, 14.1719

Achromatomaly

12.1002, 13.3659, 18.7718

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.8636, 14.8160, 28.5673 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(61, 113, 144)` looks like.

```
.text, #text, p{  
    color:rgb(61, 113, 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(61, 113, 144) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(61, 113, 144) }
```

Border

The CSS property to change the border of an element to XYZ 12.8636, 14.8160, 28.5673 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(61, 113, 144) }
```


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

```
.border{ border-color:rgb(61, 113, 144) }
```

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

Here you see how a box with a 4 pixel `rgb(61, 113, 144)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(61, 113, 144); -webkit-box-  
shadow:4px 4px 4px 4px rgb(61, 113, 144);  
box-shadow:4px 4px 4px 4px rgb(61, 113,  
144) }
```

Background

The CSS property to change the background color of an element to XYZ 12.8636, 14.8160, 28.5673 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(61, 113, 144) }
```

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

```
.background{ background-color: rgb(61, 113,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor