

Converting Colors

XYZ(12.3741, 15.4623, 27.8929)

Have a look what the booklet for
XYZ(12.3741, 15.4623, 27.8929)
contains.

XYZ(12.3572, 15.4235, 27.9169)	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(12.3572, 15.4235,
27.9169)**

Conversions

Conversions Part 1

Format	Color
Hex	2B768E
RGB	43, 118, 142
RGB Percent	17%, 46%, 56%
CMY	0.8313, 0.5372, 0.4431
CMYK	0.70, 0.17, 0.00, 0.44
HSL	195°, 54%, 36%
HSV	195°, 70%, 56%
XYZ	12.3572, 15.4235, 27.9169
YIQ	98.3110, -52.4040, -8.4360

Conversions

Conversions Part 2

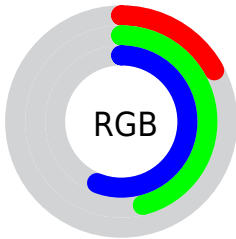
Format	Color
R_{YB}	43, 86, 142
Decimal	2848398
CIE _{Lab}	46.21, -14.84, -19.80
CIE _{LCh}	46, 24.747, 233.141
Yxy	15.4235, 0.2219, 0.2769
Android (android.graphics.Color)	4281038478 (0xFF2B768E)
YUV	98.3110, 21.5387, -48.5077
Hunter-Lab	39.2728, -12.5622, -14.6551

Details

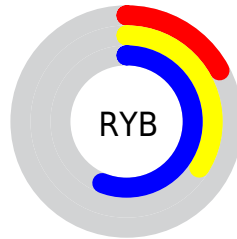
The XYZ color **12.3572, 15.4235, 27.9169** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **13.5990, 9.9402, 3.4880**, and the grayscale version is **11.6449, 12.2513, 13.3417**.

A 20% lighter version of the original color is **29.7054, 35.5017, 57.5114**, and **4.1219, 5.1530, 10.9026** is the 20% darker color. If you saturate the color by 10%, you get **11.4644, 14.3726, 27.7614**, and if you desaturate by 10%, it is **13.4732, 16.6119, 28.0878**.

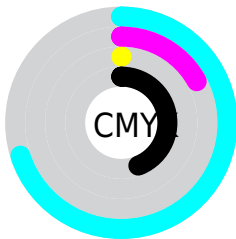
Distribution



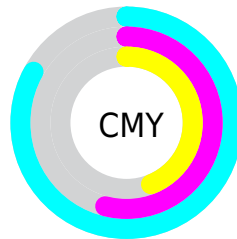
- Red (17%)
- Green (46%)
- Blue (56%)



- Red (17%)
- Yellow (34%)
- Blue (56%)



- Cyan (70%)
- Magenta (17%)
- Yellow (0%)
- Black (44%)



- Cyan (83%)
- Magenta (54%)
- Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.3572, 15.4235, 27.9169 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 12.3572, 15.4235, 27.9169 by changing the saturation by 10% instead.

12.3572, 15.4235,
27.9169

12.3572, 15.4235,
27.9169

200.4779,
225.9154, 305.9691

7.0614, 9.1171,
18.0245

29.7553, 35.5944,
57.3732

3.5472, 4.8177,
10.7980

42.5882, 50.2278,
77.7743

1.4493, 2.1407,
5.8187

58.6642, 68.4056,
102.5153

0.2909, 0.6874,
2.6682

78.3487, 90.5123,
132.0149

0.0000, 0.0000,
0.9273

102.0069,
116.9322, 166.6915

0.0000, 0.0000,
0.0000

130.0043,

148.0498, 206.9637

162.7062,
184.2494, 253.2500

■ 12.3572, 15.4235,
27.9169

■ 12.3572, 15.4235,
27.9169

■ 11.4644, 14.3726,
27.7614

■ 13.4732, 16.6119,
28.0878

■ 10.7704, 13.4457,
27.6191

■ 14.8303, 17.9466,
28.2739

■ 10.2159, 12.6122,
27.4874

■ 16.4463, 19.4372,
28.4764

■ 10.2005, 12.5890,
27.4837

■ 18.3370, 21.0920,
28.6962

■ 20.5167, 22.9186,
28.9338

■ 22.9987, 24.9242,
29.1901

■ 25.7955, 27.1153,
29.4657

■ 28.9189, 29.4983,
29.7610

■ 32.3799, 32.0791,
30.0767

Harmonies

Analogous

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



11.2351, 15.4235, 21.7886



12.3572, 15.4235, 27.9169



14.1802, 15.4235, 31.1802

Triad

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



12.3572, 15.4235, 27.9169



19.0699, 15.4235, 18.2204



13.1216, 15.4235, 8.2121

Complementary

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



12.3572, 15.4235, 27.9169



13.5990, 9.9402, 3.4880

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.



15.1497, 15.4235, 7.6945



12.3572, 15.4235, 27.9169



18.7175, 15.4235, 12.6270

Square

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



12.3572, 15.4235, 27.9169



18.1528, 15.4235, 24.7758



17.2315, 15.4235, 9.1042



11.6459, 15.4235, 10.7414

Rectangle

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



12.3572, 15.4235, 27.9169



15.6018, 15.4235, 30.8472



17.2315, 15.4235, 9.1042



13.7560, 15.4235, 7.8267

Sweetspot

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



12.3577, 15.4241, 27.9173



35.4796, 39.8377, 50.9473



11.6561, 20.2545, 8.4656



7.7133, 8.7223, 11.3565



67.5393, 71.0566, 77.3807



10.1266, 10.6539, 11.6021

Same Dimension

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



12.3577, 15.4241, 27.9173



19.4389, 24.3339, 48.8003



8.0321, 6.7729, 26.4754



5.4510, 5.8978, 6.8799



9.1732, 11.3324, 24.6810



0.1048, 0.1426, 0.2417

Inverse Universe

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



15.2897, 8.7871, 18.0304



25.3250, 13.1202, 28.4785



17.7912, 18.3245, 4.8854



5.5711, 5.4890, 6.5056



12.4333, 6.1303, 13.1990



0.1275, 0.0621, 0.1717

Previews

White Background



This preview shows how the XYZ color 12.3572, 15.4235, 27.9169 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 12.3572, 15.4235, 27.9169 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

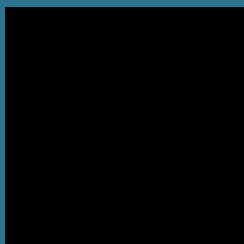
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 12.3572, 15.4235, 27.9169

Background



This preview shows how black text looks on a background with the XYZ color 12.3572, 15.4235, 27.9169.

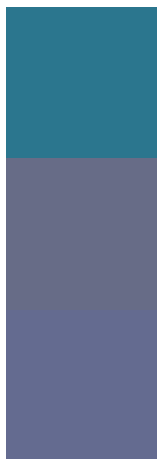


This preview shows how white text looks on a background with the XYZ color 12.3572, 15.4235,

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

12.3572, 15.4235, 27.9169

Protanopia

15.3293, 15.3580, 25.0781

Deuteranopia

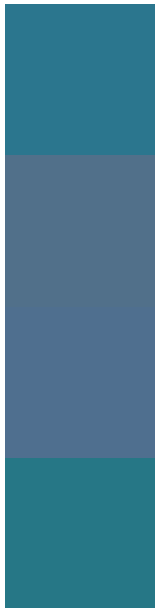
15.5473, 15.2383, 28.5074



Tritanopia

11.4389, 15.4020, 23.4891

Trichromacy



Original Color

12.3572, 15.4235, 27.9169

Protanomaly

13.7750, 15.1726, 26.2474

Deuteranomaly

13.8668, 15.0143, 28.1538

Tritanomaly

11.6992, 15.3270, 24.8960

Monochromacy



Original Color

12.3572, 15.4235, 27.9169

Achromatopsia

11.6093, 12.2139, 13.3009

Achromatomaly

11.2307, 12.9378, 17.8249

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.3572, 15.4235, 27.9169 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(43, 118, 142)` looks like.

```
.text, #text, p{  
    color:rgb(43, 118, 142)  
}
```

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(43, 118, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(43, 118, 142) }
```

Border

The CSS property to change the border of an element to XYZ 12.3572, 15.4235, 27.9169 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(43, 118, 142) }
```


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

```
.border{ border-color:rgb(43, 118, 142) }
```

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

Here you see how a box with a 4 pixel `rgb(43, 118, 142)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(43, 118, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(43, 118, 142);  
box-shadow:4px 4px 4px 4px rgb(43, 118,  
142) }
```

Background

The CSS property to change the background color of an element to XYZ 12.3572, 15.4235, 27.9169 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(43, 118, 142) }
```

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

```
.background{ background-color: rgb(43, 118,  
142) }
```

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