

Converting Colors

XYZ(13.6263, 15.4684, 26.9766)

Have a look what the booklet for
XYZ(13.6263, 15.4684, 26.9766)
contains.

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Color

**XYZ(13.5750, 15.3839,
27.0649)**

Conversions

Conversions Part 1

Format	Color
Hex	4A728C
RGB	74, 114, 140
RGB Percent	29%, 45%, 55%
CMY	0.7098, 0.5529, 0.4510
CMYK	0.47, 0.19, 0.00, 0.45
HSL	204°, 31%, 42%
HSV	204°, 47%, 55%
XYZ	13.5750, 15.3839, 27.0649
YIQ	105.0040, -32.1860, -0.3940

Conversions

Conversions Part 2

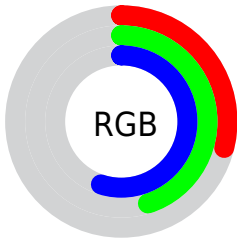
Format	Color
R_{YB}	74, 99, 140
Decimal	4878988
CIE _{Lab}	46.16, -6.55, -18.59
CIE _{LCh}	46, 19.708, 250.578
Yxy	15.3839, 0.2423, 0.2746
Android (android.graphics.Color)	4283069068 (0xFF4A728C)
YUV	105.0040, 17.2530, -27.1905
Hunter-Lab	39.2223, -6.8595, -13.4568

Details

The XYZ color **13.5750, 15.3839, 27.0649** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **16.6089, 15.1848, 8.5347**, and the grayscale version is **13.3898, 14.0871, 15.3408**.

A 20% lighter version of the original color is **31.9780, 35.6031, 56.2256**, and **4.0822, 4.7833, 10.3810** is the 20% darker color. If you saturate the color by 10%, you get **12.0114, 13.6823, 26.8191**, and if you desaturate by 10%, it is **15.4170, 17.2854, 27.3351**.

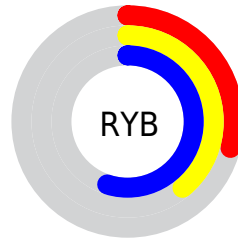
Distribution



Red (29%)

Green (45%)

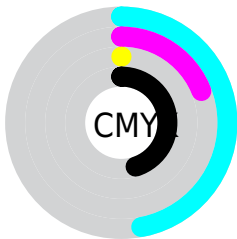
Blue (55%)



Red (29%)

Yellow (39%)

Blue (55%)

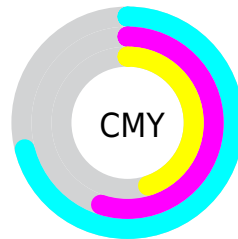


Cyan (47%)

Magenta (19%)

Yellow (0%)

Black (45%)



Cyan (71%)

Magenta (55%)

Yellow (45%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.5750, 15.3839, 27.0649 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 13.5750, 15.3839, 27.0649 by changing the saturation by 10% instead.

■ 13.5750, 15.3839,
27.0649

■ 13.5750, 15.3839,
27.0649

208.1346,
225.6782, 301.7413

■ 7.9054, 9.0893,
17.3891

■ 31.9256, 35.5253,
55.9930

■ 4.0858, 4.7994,
10.3474

■ 45.3373, 50.1408,
76.0824

■ 1.7508, 2.1301,
5.5213

■ 62.0604, 68.2987,
100.4800

■ 0.4877, 0.6815,
2.4922

■ 82.4603, 90.3834,
129.6045

■ 0.0000, 0.0000,
0.8360

■ 106.9023,
116.7793, 163.8743

■ 0.0000, 0.0000,
0.0000

135.7518,

147.8708, 203.7080

169.3741,
184.0424, 249.5242

■ 13.5750, 15.3839,
27.0649

■ 13.5750, 15.3839,
27.0649

■ 12.0114, 13.6823,
26.8191

■ 15.4170, 17.2854,
27.3351

■ 10.7079, 12.1692,
26.5958

■ 17.5513, 19.3938,
27.6296

■ 9.6464, 10.8345,
26.3941

■ 19.9923, 21.7180,
27.9496

■ 8.8052, 9.6662,
26.2129

■ 22.7532, 24.2656,
28.2958

■ 8.1457, 8.6431,
26.0502

■ 25.8463, 27.0437,
28.6690

■ 7.9703, 8.3667,
26.0061

■ 29.2832, 30.0593,
29.0699

■ 33.0750, 33.3190,
29.4992

■ 37.2323, 36.8289,
29.9576

■ 41.7651, 40.5952,
30.4457

Harmonies

Analogous

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



12.3055, 15.3839, 23.5096



13.5750, 15.3839, 27.0649



15.2224, 15.3839, 27.5759

Triad

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



13.5750, 15.3839, 27.0649



18.0288, 15.3839, 15.1106



12.6218, 15.3839, 10.6662

Complementary

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



13.5750, 15.3839, 27.0649



16.6089, 15.1848, 8.5347

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.



14.0375, 15.3839, 9.2094



13.5750, 15.3839, 27.0649



17.2122, 15.3839, 11.4295

Square

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



13.5750, 15.3839, 27.0649



17.8811, 15.3839, 20.0151



15.7214, 15.3839, 9.4592



11.7850, 15.3839, 13.8616

Rectangle

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



13.5750, 15.3839, 27.0649



16.3257, 15.3839, 26.0328



15.7214, 15.3839, 9.4592



13.0411, 15.3839, 9.9875

Sweetspot

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



13.5755, 15.3845, 27.0653



36.5737, 39.5269, 49.4448



14.4691, 21.1190, 15.1941



8.2190, 8.9138, 11.3668



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.



13.5755, 15.3845, 27.0653



20.9114, 23.8238, 47.2393



10.5529, 9.3394, 26.0577



5.0102, 5.3634, 6.3770



7.1014, 7.4731, 23.1139



0.0615, 0.0783, 0.1583

Inverse Universe

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



16.3017, 11.6885, 17.3170



26.5445, 17.1627, 26.8779



20.3437, 22.6543, 9.7797



5.1518, 5.0961, 5.8877



11.0713, 5.5386, 8.1456



0.0808, 0.0397, 0.0922

Previews

White Background



This preview shows how the XYZ color 13.5750, 15.3839, 27.0649 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 13.5750, 15.3839, 27.0649 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

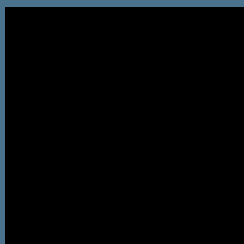
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

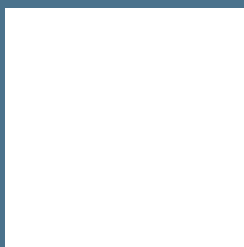
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 13.5750, 15.3839, 27.0649

Background



This preview shows how black text looks on a background with the XYZ color 13.5750, 15.3839, 27.0649.



This preview shows how white text looks on a background with the XYZ color 13.5750, 15.3839,

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

13.5750, 15.3839, 27.0649

Protanopia

15.2860, 15.3275, 25.4454

Deuteranopia

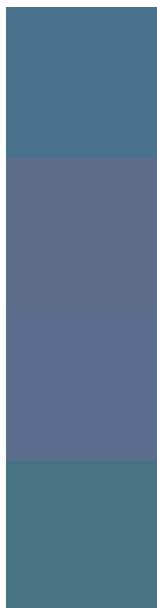
15.6197, 15.2932, 27.7198



Tritanopia

12.5371, 15.2992, 22.0309

Trichromacy



Original Color

13.5750, 15.3839, 27.0649

Protanomaly

14.5049, 15.2333, 25.8427

Deuteranomaly

14.7973, 15.3503, 27.3823

Tritanomaly

12.8260, 15.2398, 23.7383

Monochromacy



Original Color

13.5750, 15.3839, 27.0649

Achromatopsia

13.4271, 14.1263, 15.3836

Achromatomaly

13.2487, 14.4128, 19.2232

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.5750, 15.3839, 27.0649 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(74, 114, 140)` looks like.

```
.text, #text, p{  
    color:rgb(74, 114, 140)  
}
```

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(74, 114, 140) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(74, 114, 140) }
```

Border

The CSS property to change the border of an element to XYZ 13.5750, 15.3839, 27.0649 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(74, 114, 140) }
```


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

```
.border{ border-color:rgb(74, 114, 140) }
```

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

Here you see how a box with a 4 pixel rgb(74, 114, 140) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(74, 114, 140); -webkit-box-  
shadow:4px 4px 4px 4px rgb(74, 114, 140);  
box-shadow:4px 4px 4px 4px rgb(74, 114,  
140) }
```

Background

The CSS property to change the background color of an element to XYZ 13.5750, 15.3839, 27.0649 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(74, 114, 140) }
```

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

```
.background{ background-color: rgb(74, 114,  
140) }
```

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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