

Converting Colors

XYZ(15.2898, 17.4208, 29.5708)

Have a look what the booklet for
XYZ(15.2898, 17.4208, 29.5708)
contains.

XYZ(15.3339, 17.4555, 29.7552)	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(15.3339, 17.4555,
29.7552)**

Conversions

Conversions Part 1

Format	Color
Hex	507992
RGB	80, 121, 146
RGB Percent	31%, 47%, 57%
CMY	0.6863, 0.5255, 0.4274
CMYK	0.45, 0.17, 0.00, 0.43
HSL	203°, 29%, 44%
HSV	203°, 45%, 57%
XYZ	15.3339, 17.4555, 29.7552
YIQ	111.5910, -32.4610, -0.9170

Conversions

Conversions Part 2

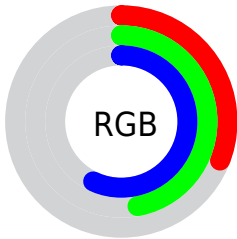
Format	Color
R_{YB}	80, 105, 146
Decimal	5274002
CIE _{Lab}	48.83, -7.24, -18.01
CIE _{LCh}	49, 19.415, 248.094
Yxy	17.4555, 0.2452, 0.2791
Android (android.graphics.Color)	4283464082 (0xFF507992)
YUV	111.5910, 16.9636, -27.7053
Hunter-Lab	41.7798, -7.6020, -12.9800

Details

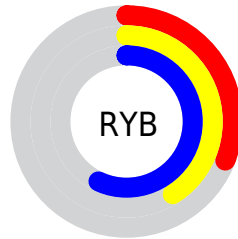
The XYZ color **15.3339, 17.4555, 29.7552** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **18.3540, 16.7937, 9.8641**, and the grayscale version is **15.2407, 16.0344, 17.4614**.

A 20% lighter version of the original color is **34.8846, 38.9628, 60.3255**, and **4.9001, 5.8243, 11.6924** is the 20% darker color. If you saturate the color by 10%, you get **13.5798, 15.5823, 29.4864**, and if you desaturate by 10%, it is **17.3956, 19.5452, 30.0502**.

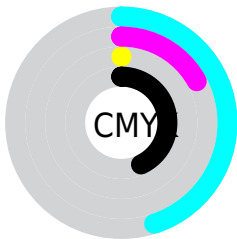
Distribution



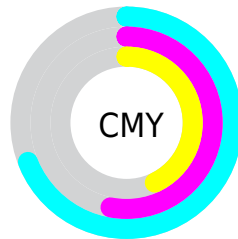
- Red (31%)
- Green (47%)
- Blue (57%)



- Red (31%)
- Yellow (41%)
- Blue (57%)



- Cyan (45%)
- Magenta (17%)
- Yellow (0%)
- Black (43%)



- Cyan (69%)
- Magenta (53%)
- Yellow (43%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.3339, 17.4555, 29.7552 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 15.3339, 17.4555, 29.7552 by changing the saturation by 10% instead.

■ 15.3339, 17.4555,
29.7552

■ 15.3339, 17.4555,
29.7552

218.7270,
237.7838, 314.9334

■ 9.1419, 10.5598,
19.4024

■ 35.0048, 39.1073,
60.3312

■ 4.8917, 5.7717,
11.7816

■ 49.2143, 54.6322,
81.3916

■ 2.2180, 2.7067,
6.4744

■ 66.8271, 73.8022,
106.8581

■ 0.7522, 0.9806,
3.0622

■ 88.2085, 97.0018,
137.1494

■ 0.0000, 0.0000,
1.1265

■ 113.7238,
124.6154, 172.6841

■ 0.0000, 0.0000,
0.0000

143.7384,

157.0273, 213.8806

178.6177,
194.6220, 261.1576

■ 15.3339, 17.4555,
29.7552

■ 15.3339, 17.4555,
29.7552

■ 13.5798, 15.5823,
29.4864

■ 17.3956, 19.5452,
30.0502

■ 12.1133, 13.9133,
29.2415

■ 19.7797, 21.8589,
30.3711

■ 10.9148, 12.4377,
29.0199

■ 22.5022, 24.4060,
30.7193

■ 9.9611, 11.1426,
28.8202

■ 25.5773, 27.1949,
31.0955

■ 9.2212, 10.0110,
28.6408

■ 29.0184, 30.2332,
31.5006

■ 8.9037, 9.5061,
28.5600

■ 32.8383, 33.5284,
31.9353

■ 37.0490, 37.0876,
32.4004

■ 41.6619, 40.9174,
32.8965

■ 46.6882, 45.0243,
33.4243

Harmonies

Analogous

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



14.0155, 17.4555, 25.7945



15.3339, 17.4555, 29.7552



17.0826, 17.4555, 30.5941

Triad

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



15.3339, 17.4555, 29.7552



20.2555, 17.4555, 17.6455



14.5476, 17.4555, 12.2287

Complementary

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



15.3339, 17.4555, 29.7552



18.3540, 16.7937, 9.8641

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.



16.1088, 17.4555, 10.7904



15.3339, 17.4555, 29.7552



19.4640, 17.4555, 13.5273

Square

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



15.3339, 17.4555, 29.7552



20.0106, 17.4555, 22.9457



17.9148, 17.4555, 11.2186



13.5849, 17.4555, 15.5454

Rectangle

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



15.3339, 17.4555, 29.7552



18.2733, 17.4555, 29.1502



17.9148, 17.4555, 11.2186



15.0151, 17.4555, 11.5395

Sweetspot

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



15.3345, 17.4562, 29.7556



40.1691, 43.4895, 54.2507



16.0964, 23.2672, 16.7932



8.7158, 9.4719, 12.0411



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.



15.3345, 17.4562, 29.7556



23.9876, 27.5235, 52.0218



12.0528, 10.8928, 28.6617



5.7814, 6.1968, 7.3611



7.8571, 8.4090, 25.1400



0.1247, 0.1599, 0.3172

Inverse Universe

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



18.1744, 13.2293, 19.6854



29.8174, 19.7702, 31.1422



22.2765, 24.6388, 11.1716



5.9431, 5.8723, 6.8066



12.0930, 6.0422, 9.2366



0.1624, 0.0797, 0.1888

Previews

White Background



This preview shows how the XYZ color 15.3339, 17.4555, 29.7552 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 15.3339, 17.4555, 29.7552 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

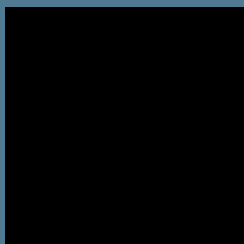
Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

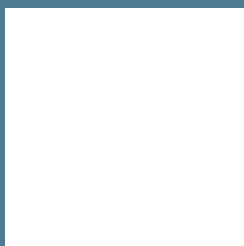
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 15.3339, 17.4555, 29.7552

Background



This preview shows how black text looks on a background with the XYZ color 15.3339, 17.4555, 29.7552.



This preview shows how white text looks on a background with the XYZ color 15.3339, 17.4555,

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

15.3339, 17.4555, 29.7552

Protanopia

17.1317, 17.2089, 27.6180

Deuteranopia

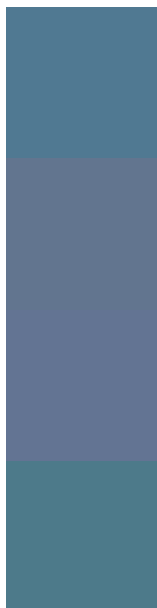
17.6808, 17.2634, 30.4173



Tritanopia

14.2971, 17.3959, 24.7945

Trichromacy



Original Color

15.3339, 17.4555, 29.7552

Protanomaly

16.3562, 17.3024, 28.4642

Deuteranomaly

16.6574, 17.2500, 30.0554

Tritanomaly

14.6075, 17.3318, 26.6202

Monochromacy



Original Color

15.3339, 17.4555, 29.7552

Achromatopsia

15.4009, 16.2029, 17.6450

Achromatomaly

15.0244, 16.4260, 21.4475

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.3339, 17.4555, 29.7552 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(80, 121, 146)` looks like.

```
.text, #text, p{  
    color:rgb(80, 121, 146)  
}
```

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(80, 121, 146) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 121, 146) }
```

Border

The CSS property to change the border of an element to XYZ 15.3339, 17.4555, 29.7552 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(80, 121, 146) }
```


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

```
.border{ border-color:rgb(80, 121, 146) }
```

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

Here you see how a box with a 4 pixel rgb(80, 121, 146) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 121, 146); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 121, 146);  
box-shadow:4px 4px 4px 4px rgb(80, 121,  
146) }
```

Background

The CSS property to change the background color of an element to XYZ 15.3339, 17.4555, 29.7552 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 121, 146) }
```

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

```
.background{ background-color: rgb(80, 121,  
146) }
```

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