

Converting Colors

XYZ(14.9817, 15.6941, 30.0024)

Have a look what the booklet for
XYZ(14.9817, 15.6941, 30.0024)
contains.

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Color

**XYZ(14.9911, 15.7212,
29.8481)**

Conversions

Conversions Part 1

Format	Color
Hex	577093
RGB	87, 112, 147
RGB Percent	34%, 44%, 58%
CMY	0.6588, 0.5608, 0.4235
CMYK	0.41, 0.24, 0.00, 0.42
HSL	215°, 26%, 46%
HSV	215°, 41%, 58%
XYZ	14.9911, 15.7212, 29.8481
YIQ	108.5150, -26.1350, 5.5850

Conversions

Conversions Part 2

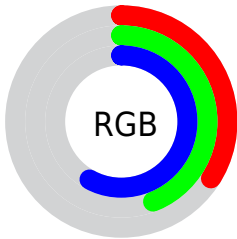
Format	Color
R _Y B	87, 105, 147
Decimal	5730451
CIE Lab	46.61, 0.29, -21.98
CIE LCh	47, 21.981, 270.761
Yxy	15.7212, 0.2475, 0.2596
Android (android.graphics.Color)	4283920531 (0xFF577093)
YUV	108.5150, 18.9731, -18.8687
Hunter-Lab	39.6500, -1.8991, -16.8779

Details

The XYZ color **14.9911, 15.7212, 29.8481** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **20.7127, 20.8105, 11.9425**, and the grayscale version is **14.3526, 15.1000, 16.4439**.

A 20% lighter version of the original color is **34.4655, 36.2569, 60.4401**, and **4.7077, 4.9046, 11.7649** is the 20% darker color. If you saturate the color by 10%, you get **12.8545, 13.2817, 29.4901**, and if you desaturate by 10%, it is **17.4984, 18.4862, 30.2499**.

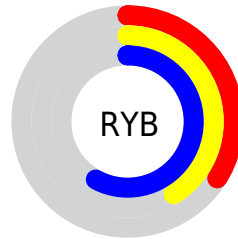
Distribution



Red (34%)

Green (44%)

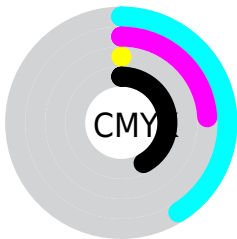
Blue (58%)



Red (34%)

Yellow (41%)

Blue (58%)

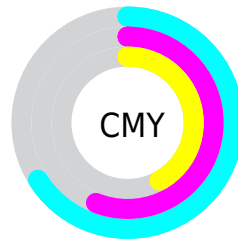


Cyan (41%)

Magenta (24%)

Yellow (0%)

Black (42%)



Cyan (66%)

Magenta (56%)

Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 14.9911, 15.7212, 29.8481 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 14.9911, 15.7212, 29.8481 by changing the saturation by 10% instead.

■ 14.9911, 15.7212,
29.8481

■ 14.9911, 15.7212,
29.8481

216.7018,
227.6909, 315.3810

■ 8.8994, 9.3271,
19.4722

■ 34.4093, 36.1135,
60.4800

■ 4.7322, 4.9551,
11.8318

■ 48.4666, 50.8805,
81.5732

■ 2.1241, 2.2210,
6.5081

■ 65.9098, 69.2072,
107.0759

■ 0.7023, 0.7314,
3.0827

■ 87.1043, 91.4781,
137.4066

■ 0.0000, 0.0000,
1.1370

■ 112.4153,
118.0775, 172.9840

■ 0.0000, 0.0000,
0.0000

142.2084,

149.3899, 214.2265

176.8487,
185.7995, 261.5526

■ 14.9911, 15.7212,
29.8481

■ 14.9911, 15.7212,
29.8481

■ 12.8545, 13.2817,
29.4901

■ 17.4984, 18.4862,
30.2499

■ 11.0673, 11.1521,
29.1733

■ 20.3929, 21.5878,
30.6961

■ 9.6087, 9.3181,
28.8961

■ 23.6918, 25.0388,
31.1883

■ 8.4543, 7.7630,
28.6568

■ 27.4110, 28.8504,
31.7280

■ 7.5760, 6.4680,
28.4532

■ 31.5652, 33.0337,
32.3165

■ 6.9487, 5.4711,
28.2938

■ 36.1687, 37.5990,
32.9550

■ 41.2350, 42.5563,
33.6449

■ 46.7768, 47.9151,
34.3871

■ 52.8066, 53.6847,
35.1830

Harmonies

Analogous

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



13.2290, 15.7212, 27.9605



14.9911, 15.7212, 29.8481



16.8890, 15.7212, 27.7682

Triad

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



14.9911, 15.7212, 29.8481



18.3050, 15.7212, 12.3068



11.9774, 15.7212, 12.5010

Complementary

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



14.9911, 15.7212, 29.8481



20.7127, 20.8105, 11.9425

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.



13.1517, 15.7212, 9.6122



14.9911, 15.7212, 29.8481



16.7980, 15.7212, 9.5180

Square

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



14.9911, 15.7212, 29.8481



18.8991, 15.7212, 16.9791



14.8941, 15.7212, 8.6458



11.5807, 15.7212, 17.2570

Rectangle

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



14.9911, 15.7212, 29.8481



17.9528, 15.7212, 24.6214



14.8941, 15.7212, 8.6458



12.2891, 15.7212, 11.3183

Sweetspot

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



14.9916, 15.7218, 29.8485



41.5370, 43.9166, 55.7221



17.8158, 24.2745, 21.8360



9.3211, 9.8580, 12.6963



71.1368, 74.8414, 81.5023



11.3376, 11.9280, 12.9896

Same Dimension

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



14.9916, 15.7218, 29.8485



23.3056, 24.1173, 52.8614



12.9895, 11.1476, 29.0711



5.6862, 6.0063, 7.3294



6.0476, 4.7899, 24.5368



0.1020, 0.1146, 0.3096

Inverse Universe

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



18.3659, 14.1898, 17.1008



30.3590, 21.5521, 26.0712



23.4820, 27.3955, 13.0675



5.8950, 5.8531, 6.5534



11.1796, 5.6769, 4.4269



0.1510, 0.0751, 0.1286

Previews

White Background



This preview shows how the XYZ color 14.9911, 15.7212, 29.8481 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 14.9911, 15.7212, 29.8481 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

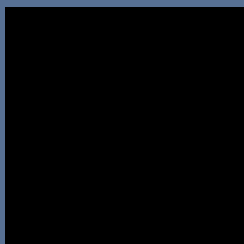
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

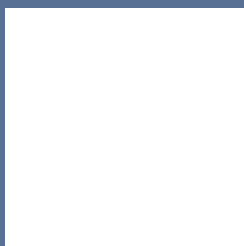
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 14.9911, 15.7212, 29.8481

Background



This preview shows how black text looks on a background with the XYZ color 14.9911, 15.7212, 29.8481.

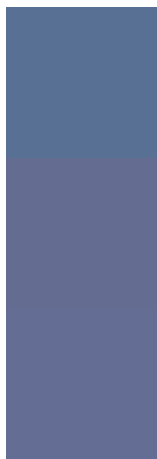


This preview shows how white text looks on a background with the XYZ color 14.9911, 15.7212,

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

14.9911, 15.7212, 29.8481

Protanopia

15.8350, 15.6909, 28.9821

Deuteranopia

16.0695, 15.7847, 30.2168



Tritanopia

13.3404, 15.7208, 21.7333

Trichromacy



Original Color

14.9911, 15.7212, 29.8481

Protanomaly

15.4836, 15.6601, 29.4008

Deuteranomaly

15.6405, 15.7229, 30.2274

Tritanomaly

13.9317, 15.7939, 24.5046

Monochromacy



Original Color

14.9911, 15.7212, 29.8481

Achromatopsia

14.5356, 15.2926, 16.6537

Achromatomaly

14.5179, 15.3486, 20.9363

CSS Examples

Text

The CSS property to change the color of the text to XYZ 14.9911, 15.7212, 29.8481 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(87, 112, 147)` looks like.

```
.text, #text, p{  
    color:rgb(87, 112, 147)  
}
```

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(87, 112, 147) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 112, 147) }
```

Border

The CSS property to change the border of an element to XYZ 14.9911, 15.7212, 29.8481 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(87, 112, 147) }
```


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

```
.border{ border-color:rgb(87, 112, 147) }
```

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

Here you see how a box with a 4 pixel `rgb(87, 112, 147)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 112, 147); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 112, 147);  
box-shadow:4px 4px 4px 4px rgb(87, 112,  
147) }
```

Background

The CSS property to change the background color of an element to XYZ 14.9911, 15.7212, 29.8481 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 112, 147) }
```

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

```
.background{ background-color: rgb(87, 112,  
147) }
```

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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