

Converting Colors

XYZ(13.7826, 15.0267, 28.2665)

Have a look what the booklet for
XYZ(13.7826, 15.0267, 28.2665)
contains.

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Color

**XYZ(13.7029, 14.9298,
28.1461)**

Conversions

Conversions Part 1

Format	Color
Hex	4D6F8F
RGB	77, 111, 143
RGB Percent	30%, 44%, 56%
CMY	0.6980, 0.5647, 0.4392
CMYK	0.46, 0.22, 0.00, 0.44
HSL	209°, 30%, 43%
HSV	209°, 46%, 56%
XYZ	13.7029, 14.9298, 28.1461
YIQ	104.4820, -30.5360, 2.7440

Conversions

Conversions Part 2

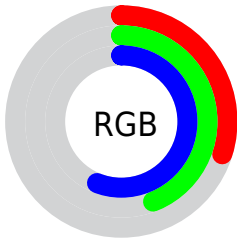
Format	Color
R_{YB}	77, 99, 143
Decimal	5074831
CIE Lab	45.54, -3.07, -21.30
CIE LCh	46, 21.524, 261.793
Yxy	14.9298, 0.2413, 0.2629
Android (android.graphics.Color)	4283264911 (0xFF4D6F8F)
YUV	104.4820, 18.9894, -24.1017
Hunter-Lab	38.6391, -4.3155, -16.1416

Details

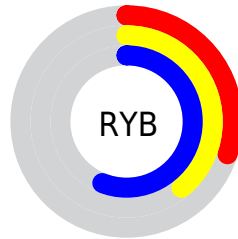
The XYZ color **13.7029, 14.9298, 28.1461** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **18.1363, 17.3132, 9.4076**, and the grayscale version is **13.2442, 13.9340, 15.1741**.

A 20% lighter version of the original color is **32.2285, 34.8927, 57.8597**, and **4.1859, 4.6513, 11.0331** is the 20% darker color. If you saturate the color by 10%, you get **11.9461, 12.9446, 27.8558**, and if you desaturate by 10%, it is **15.7731, 17.1644, 28.4686**.

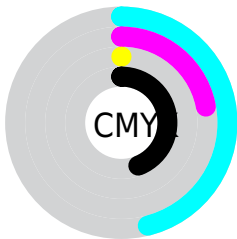
Distribution



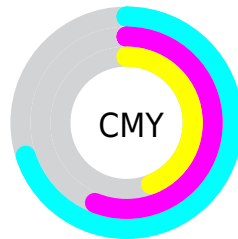
- Red (30%)
- Green (44%)
- Blue (56%)



- Red (30%)
- Yellow (39%)
- Blue (56%)



- Cyan (46%)
- Magenta (22%)
- Yellow (0%)
- Black (44%)



- Cyan (70%)
- Magenta (56%)
- Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.7029, 14.9298, 28.1461 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 13.7029, 14.9298, 28.1461 by changing the saturation by 10% instead.

■ 13.7029, 14.9298,
28.1461

■ 13.7029, 14.9298,
28.1461

208.9225,
222.9409, 307.0983

■ 7.9946, 8.7701,
18.1958

■ 32.1516, 34.7300,
57.7435

■ 4.1433, 4.5916,
10.9198

■ 45.6228, 49.1393,
78.2277

■ 1.7835, 2.0097,
5.8994

■ 62.4123, 67.0673,
103.0604

■ 0.5077, 0.6131,
2.7162

■ 82.8855, 88.8983,
132.6599

■ 0.0000, 0.0000,
0.9516

■ 107.4078,
115.0168, 167.4449

■ 0.0000, 0.0000,
0.0000

136.3444,

145.8071, 207.8340

170.0609,
181.6537, 254.2456

■ 13.7029, 14.9298,
28.1461

■ 13.7029, 14.9298,
28.1461

■ 11.9461, 12.9446,
27.8558

■ 15.7731, 17.1644,
28.4686

■ 10.4832, 11.1958,
27.5953

■ 18.1717, 19.6570,
28.8233

■ 9.2943, 9.6714,
27.3638

■ 20.9146, 22.4181,
29.2117

■ 8.3563, 8.3575,
27.1596

■ 24.0162, 25.4568,
29.6347

■ 7.6344, 7.2339,
26.9808

■ 27.4898, 28.7818,
30.0934

■ 7.3846, 6.8365,
26.9172

■ 31.3481, 32.4013,
30.5887

■ 35.6033, 36.3231,
31.1214

■ 40.2669, 40.5550,
31.6924

■ 45.3500, 45.1040,
32.3026

Harmonies

Analogous

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



12.1591, 14.9298, 25.3354



13.7029, 14.9298, 28.1461



15.5119, 14.9298, 27.2816

Triad

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



13.7029, 14.9298, 28.1461



17.6457, 14.9298, 12.8526



11.6452, 14.9298, 10.8725

Complementary

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



13.7029, 14.9298, 28.1461



18.1363, 17.3132, 9.4076

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.



12.9460, 14.9298, 8.6913



13.7029, 14.9298, 28.1461



16.4360, 14.9298, 9.6552

Square

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



13.7029, 14.9298, 28.1461



17.8915, 14.9298, 17.7096



14.6892, 14.9298, 8.2984



11.0384, 14.9298, 14.8843

Rectangle

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



13.7029, 14.9298, 28.1461



16.6194, 14.9298, 24.8041



14.6892, 14.9298, 8.2984



12.0103, 14.9298, 9.9392

Sweetspot

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



13.7034, 14.9304, 28.1465



38.4363, 41.1191, 52.4490



15.6384, 22.3250, 17.9252



8.5773, 9.1948, 11.9949



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.



13.7034, 14.9304, 28.1465



21.3905, 23.1781, 49.8844



10.7504, 9.0245, 27.1621



5.3449, 5.6856, 6.8445



6.5504, 6.0868, 23.8067



0.0847, 0.1023, 0.2350

Inverse Universe

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



16.8512, 12.2956, 16.5246



27.9188, 18.5546, 25.5931



22.3257, 25.6920, 10.8040



5.5176, 5.4676, 6.2235



11.1095, 5.6008, 6.2277



0.1173, 0.0580, 0.1182

Previews

White Background



This preview shows how the XYZ color 13.7029, 14.9298, 28.1461 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 13.7029, 14.9298, 28.1461 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

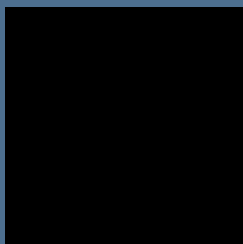
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

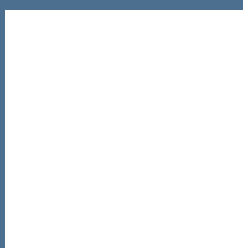
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 13.7029, 14.9298, 28.1461

Background



This preview shows how black text looks on a background with the XYZ color 13.7029, 14.9298, 28.1461.

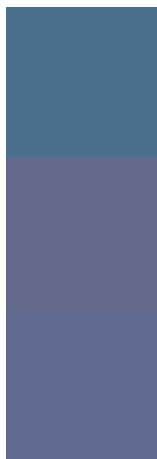


This preview shows how white text looks on a background with the XYZ color 13.7029, 14.9298,

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

13.7029, 14.9298, 28.1461

Protanopia

14.9598, 14.8248, 26.4991

Deuteranopia

15.1178, 14.8631, 28.4576



Tritanopia

12.2539, 14.8295, 21.2853

Trichromacy



Original Color

13.7029, 14.9298, 28.1461

Protanomaly

14.4106, 14.8427, 26.9164

Deuteranomaly

14.6131, 14.9124, 28.4937

Tritanomaly

12.7495, 14.8654, 23.6701

Monochromacy



Original Color

13.7029, 14.9298, 28.1461

Achromatopsia

13.1579, 13.8432, 15.0752

Achromatomaly

13.1438, 14.2031, 19.1883

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.7029, 14.9298, 28.1461 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(77, 111, 143)` looks like.

```
.text, #text, p{  
    color:rgb(77, 111, 143)  
}
```

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(77, 111, 143) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 111, 143) }
```

Border

The CSS property to change the border of an element to XYZ 13.7029, 14.9298, 28.1461 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(77, 111, 143) }
```


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

```
.border{ border-color:rgb(77, 111, 143) }
```

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

Here you see how a box with a 4 pixel rgb(77, 111, 143) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 111, 143); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 111, 143);  
box-shadow:4px 4px 4px 4px rgb(77, 111,  
143) }
```

Background

The CSS property to change the background color of an element to XYZ 13.7029, 14.9298, 28.1461 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(77, 111, 143) }
```

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

```
.background{ background-color: rgb(77, 111,  
143) }
```

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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