

Converting Colors

XYZ(16.7952, 14.2630, 29.0254)

Have a look what the booklet for
XYZ(16.7952, 14.2630, 29.0254)
contains.

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Color

**XYZ(16.8424, 14.2926,
29.0652)**

Conversions

Conversions Part 1

Format	Color
Hex	766092
RGB	118, 96, 146
RGB Percent	46%, 38%, 57%
CMY	0.5372, 0.6235, 0.4274
CMYK	0.19, 0.34, 0.00, 0.43
HSL	266°, 21%, 47%
HSV	266°, 34%, 57%
XYZ	16.8424, 14.2926, 29.0652
YIQ	108.2780, -2.9380, 20.2140

Conversions

Conversions Part 2

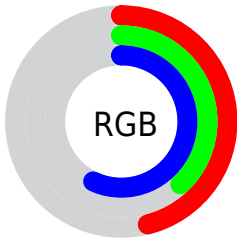
Format	Color
R _Y B	118, 96, 146
Decimal	7757970
CIE Lab	44.65, 19.42, -24.21
CIE LCh	45, 31.034, 308.736
Yxy	14.2926, 0.2798, 0.2374
Android (android.graphics.Color)	4285948050 (0xFF766092)
YUV	108.2780, 18.5969, 8.5262
Hunter-Lab	37.8056, 13.3621, -19.1187

Details

The XYZ color **16.8424, 14.2926, 29.0652** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **20.7028, 25.6877, 14.9340**, and the grayscale version is **14.2823, 15.0261, 16.3634**.

A 20% lighter version of the original color is **37.6536, 33.6955, 59.1629**, and **5.5478, 4.2518, 11.3548** is the 20% darker color. If you saturate the color by 10%, you get **14.5695, 11.3240, 28.6122**, and if you desaturate by 10%, it is **19.4599, 17.8068, 29.6058**.

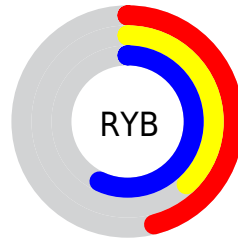
Distribution



Red (46%)

Green (38%)

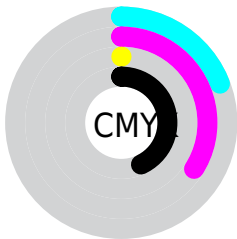
Blue (57%)



Red (46%)

Yellow (38%)

Blue (57%)

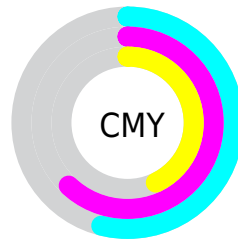


Cyan (19%)

Magenta (34%)

Yellow (0%)

Black (43%)



Cyan (54%)

Magenta (62%)

Yellow (43%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.8424, 14.2926, 29.0652 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 16.8424, 14.2926, 29.0652 by changing the saturation by 10% instead.

■ 16.8424, 14.2926,
29.0652

■ 16.8424, 14.2926,
29.0652

227.4365,
219.0436, 311.5930

■ 10.2168, 8.3245,
18.8841

■ 37.6004, 33.6073,
59.2241

■ 5.6063, 4.3033,
11.4106

■ 52.4634, 47.7227,
80.0390

■ 2.6456, 1.8446,
6.2261

■ 70.8030, 65.3225,
105.2356

■ 0.9692, 0.5147,
2.9120

■ 92.9845, 86.7913,
135.2324

■ 0.0000, 0.0000,
1.0499

119.3733,
112.5134, 170.4481

■ 0.0000, 0.0000,
0.0000

150.3346,

142.8733, 211.3010

186.2339,
178.2552, 258.2098

■ 16.8424, 14.2926,
29.0652

■ 16.8424, 14.2926,
29.0652

■ 14.5695, 11.3240,
28.6122

■ 19.4599, 17.8068,
29.6058

■ 12.6236, 8.8705,
28.2412

■ 22.4356, 21.8913,
30.2373

■ 10.9877, 6.9014,
27.9474


■ 25.7840, 26.5716,
30.9642


■ 9.6422, 5.3815,
27.7249


■ 29.5185, 31.8708,
31.7903


■ 8.5652, 4.2711,
27.5673


■ 33.6514, 37.8111,
32.7190


 7.7299, 3.5210,
27.4666

 38.1950, 44.4133,
33.7539

 7.3184, 3.1734,
27.4212

 43.1605, 51.6973,
34.8982

 48.5591, 59.6823,
36.1549

 54.4012, 68.3866,
37.5271

Harmonies

Analogous

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



14.3328, 14.2926, 33.6671



16.8424, 14.2926, 29.0652



18.6105, 14.2926, 21.1474

Triad

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



16.8424, 14.2926, 29.0652



15.4159, 14.2926, 5.8919



9.3420, 14.2926, 17.7629

Complementary

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



16.8424, 14.2926, 29.0652



20.7028, 25.6877, 14.9340

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.



9.5565, 14.2926, 11.0587



16.8424, 14.2926, 29.0652



12.8631, 14.2926, 5.4917

Square

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



16.8424, 14.2926, 29.0652



17.7187, 14.2926, 8.4027



10.7767, 14.2926, 7.0633



10.1495, 14.2926, 25.9418

Rectangle

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



16.8424, 14.2926, 29.0652



19.0182, 14.2926, 15.8699



10.7767, 14.2926, 7.0633



9.2992, 14.2926, 15.2585

Sweetspot

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



16.8429, 14.2932, 29.0655



41.8862, 41.8276, 53.8394



17.2621, 19.0616, 29.9638



9.1569, 9.0804, 11.9423



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.



16.8429, 14.2932, 29.0655



26.6168, 21.1566, 50.6543



20.6416, 16.2515, 29.2433



5.7272, 5.7503, 7.2778



6.4650, 2.8054, 24.1318



0.1121, 0.0513, 0.2969

Inverse Universe

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



19.6754, 15.9325, 21.1075



32.5205, 24.5773, 33.8900



17.5727, 24.0741, 14.7875



5.9286, 5.8665, 6.7301



11.7752, 5.9151, 7.5630



0.1590, 0.0783, 0.1708

Previews

White Background



This preview shows how the XYZ color 16.8424, 14.2926, 29.0652 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 16.8424, 14.2926, 29.0652 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

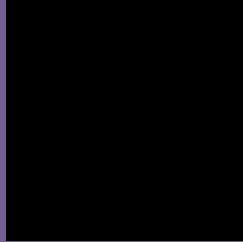
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 16.8424, 14.2926, 29.0652

Background



This preview shows how black text looks on a background with the XYZ color 16.8424, 14.2926, 29.0652.



This preview shows how white text looks on a background with the XYZ color 16.8424, 14.2926,

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

16.8424, 14.2926, 29.0652

Protanopia

14.8343, 14.3413, 31.6921

Deuteranopia

14.6004, 14.2939, 28.3750



Tritanopia

14.4016, 14.2929, 17.0387

Trichromacy



Original Color

16.8424, 14.2926, 29.0652

Protanomaly

15.4142, 14.2187, 30.7862

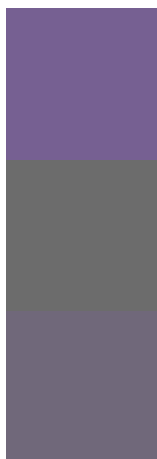
Deuteranomaly

15.3580, 14.2353, 28.7263

Tritanomaly

15.1347, 14.1470, 21.0017

Monochromacy



Original Color

16.8424, 14.2926, 29.0652

Achromatopsia

14.2537, 14.9960, 16.3306

Achromatomaly

15.1453, 14.7505, 20.4612

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.8424, 14.2926, 29.0652 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(118, 96, 146)` looks like.

```
.text, #text, p{  
    color:rgb(118, 96, 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(118, 96, 146) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 96, 146) }
```

Border

The CSS property to change the border of an element to XYZ 16.8424, 14.2926, 29.0652 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(118, 96, 146) }
```


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

```
.border{ border-color:rgb(118, 96, 146) }
```

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

Here you see how a box with a 4 pixel `rgb(118, 96, 146)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 96, 146); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 96, 146);  
box-shadow:4px 4px 4px 4px rgb(118, 96,  
146) }
```

Background

The CSS property to change the background color of an element to XYZ 16.8424, 14.2926, 29.0652 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 96, 146) }
```

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

```
.background{ background-color: rgb(118, 96,  
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](#).

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