

Converting Colors

XYZ(16.8699, 16.2980, 29.3702)

Have a look what the booklet for
XYZ(16.8699, 16.2980, 29.3702)
contains.

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Color

**XYZ(16.9486, 16.4153,
29.4693)**

Conversions

Conversions Part 1

Format	Color
Hex	6C6E92
RGB	108, 110, 146
RGB Percent	42%, 43%, 57%
CMY	0.5765, 0.5686, 0.4274
CMYK	0.26, 0.25, 0.00, 0.43
HSL	237°, 15%, 50%
HSV	237°, 26%, 57%
XYZ	16.9486, 16.4153, 29.4693
YIQ	113.5060, -12.7480, 10.7720

Conversions

Conversions Part 2

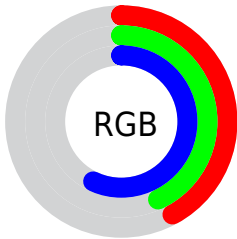
Format	Color
R_{YB}	108, 110, 146
Decimal	7106194
CIE _{Lab}	47.51, 7.66, -19.86
CIE _{LCh}	48, 21.287, 291.086
Yxy	16.4153, 0.2697, 0.2613
Android (android.graphics.Color)	4285296274 (0xFF6C6E92)
YUV	113.5060, 16.0195, -4.8288
Hunter-Lab	40.5158, 3.7676, -14.7637

Details

The XYZ color **16.9486, 16.4153, 29.4693** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **24.5344, 27.1406, 18.1335**, and the grayscale version is **15.8034, 16.6264, 18.1061**.

A 20% lighter version of the original color is **37.6674, 37.1335, 59.8258**, and **5.6467, 5.3110, 11.5540** is the 20% darker color. If you saturate the color by 10%, you get **13.9418, 12.8204, 28.9342**, and if you desaturate by 10%, it is **20.4868, 20.6307, 30.0967**.

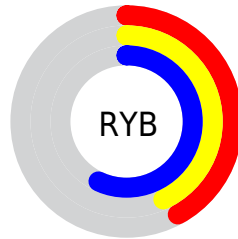
Distribution



Red (42%)

Green (43%)

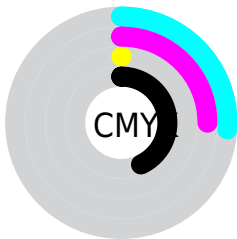
Blue (57%)



Red (42%)

Yellow (43%)

Blue (57%)

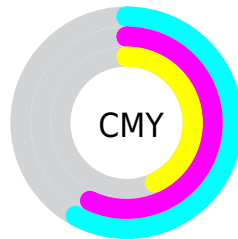


Cyan (26%)

Magenta (25%)

Yellow (0%)

Black (43%)



Cyan (58%)

Magenta (57%)

Yellow (43%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.9486, 16.4153, 29.4693 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 16.9486, 16.4153, 29.4693 by changing the saturation by 10% instead.

■ 16.9486, 16.4153,
29.4693

■ 16.9486, 16.4153,
29.4693

228.0380,
231.7800, 313.5528

■ 10.2929, 9.8185,
19.1875

■ 37.7817, 37.3177,
59.8729

■ 5.6574, 5.2788,
11.6277

■ 52.6898, 52.3921,
80.8319

■ 2.6765, 2.4117,
6.3712

■ 71.0794, 71.0611,
106.1869

■ 0.9851, 0.8319,
2.9997

■ 93.3160, 93.7092,
136.3566

■ 0.0000, 0.0000,
1.0945

119.7647,
120.7208, 171.7595

■ 0.0000, 0.0000,
0.0000

150.7911,

152.4801, 212.8141

186.7604,
189.3718, 259.9390

■ 16.9486, 16.4153,
29.4693

■ 16.9486, 16.4153,
29.4693

■ 13.9418, 12.8204,
28.9342

■ 20.4868, 20.6307,
30.0967

■ 11.4393, 9.8150,
28.4860

■ 24.5786, 25.4919,
30.8194

■ 9.4138, 7.3680,
28.1204

■ 29.2471, 31.0253,
31.6414

■ 7.8350, 5.4450,
27.8324

■ 34.5133, 37.2549,
32.5663

■ 6.6691, 4.0078,
27.6165

■ 40.3973, 44.2039,
33.5974

■ 5.8773, 3.0127,
27.4661

■ 46.9183, 51.8943,
34.7381

■ 5.4072, 2.4053,
27.3737

■ 54.0946, 60.3470,
35.9914

■ 5.2718, 2.2422,
27.3493

■ 61.9438, 69.5823,
37.3603

■ 70.4828, 79.6196,
38.8477

Harmonies

Analogous

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



15.0451, 16.4153, 30.2749



16.9486, 16.4153, 29.4693



18.6089, 16.4153, 25.2528

Triad

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



16.9486, 16.4153, 29.4693



18.0019, 16.4153, 10.9281



12.2758, 16.4153, 16.3066

Complementary

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



16.9486, 16.4153, 29.4693



24.5344, 27.1406, 18.1335

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.



12.9383, 16.4153, 12.0930



16.9486, 16.4153, 29.4693



16.1730, 16.4153, 9.4271

Square

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



16.9486, 16.4153, 29.4693



19.2504, 16.4153, 14.3796



14.3292, 16.4153, 9.8054



12.4469, 16.4153, 21.8918

Rectangle

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



16.9486, 16.4153, 29.4693



19.3047, 16.4153, 21.4695



14.3292, 16.4153, 9.8054



12.4063, 16.4153, 14.7032

Sweetspot

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



16.9491, 16.4160, 29.4697



41.7334, 43.0407, 54.0816



21.4570, 25.7436, 30.0108



9.0557, 9.3038, 11.9907



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.



16.9491, 16.4160, 29.4697



26.8160, 25.2753, 51.4388



18.9312, 17.1210, 29.5013



5.5225, 5.6790, 7.2748



4.6444, 1.9836, 24.0691



0.0617, 0.0340, 0.2962

Inverse Universe

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



20.0316, 17.9625, 17.1638



33.1747, 28.5011, 26.0453



22.1206, 26.3498, 18.1081



5.8124, 5.8200, 6.1185



10.4714, 5.3936, 0.6973



0.1306, 0.0670, 0.0215

Previews

White Background



This preview shows how the XYZ color 16.9486, 16.4153, 29.4693 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 16.9486, 16.4153, 29.4693 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 16.9486, 16.4153, 29.4693

Background



This preview shows how black text looks on a background with the XYZ color 16.9486, 16.4153, 29.4693.



This preview shows how white text looks on a background with the XYZ color 16.9486, 16.4153,

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

16.9486, 16.4153, 29.4693

Protanopia

16.5444, 16.3590, 29.8894

Deuteranopia

16.8166, 16.5084, 29.4942



Tritanopia

15.1860, 16.3483, 21.0940

Trichromacy



Original Color

16.9486, 16.4153, 29.4693

Protanomaly

16.7766, 16.4787, 29.9003

Deuteranomaly

16.9362, 16.5700, 29.4998

Tritanomaly

15.8276, 16.4522, 23.8141

Monochromacy



Original Color

16.9486, 16.4153, 29.4693

Achromatopsia

15.9940, 16.8269, 18.3245

Achromatomaly

16.3531, 16.7614, 22.1120

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.9486, 16.4153, 29.4693 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(108, 110, 146)` looks like.

```
.text, #text, p{  
    color:rgb(108, 110, 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(108, 110, 146) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(108, 110, 146) }
```

Border

The CSS property to change the border of an element to XYZ 16.9486, 16.4153, 29.4693 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(108, 110, 146) }
```


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

```
.border{ border-color:rgb(108, 110, 146) }
```

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

Here you see how a box with a 4 pixel `rgb(108, 110, 146)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(108, 110, 146); -webkit-box-  
shadow:4px 4px 4px 4px rgb(108, 110, 146);  
box-shadow:4px 4px 4px 4px rgb(108, 110,  
146) }
```

Background

The CSS property to change the background color of an element to XYZ 16.9486, 16.4153, 29.4693 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(108, 110, 146) }
```

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

```
.background{ background-color: rgb(108,  
110, 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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