

Converting Colors

XYZ(16.8118, 15.0659, 27.5553)

Have a look what the booklet for
XYZ(16.8118, 15.0659, 27.5553)
contains.

XYZ(16.7386, 14.9734, 27.5991)	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(16.7386, 14.9734,
27.5991)**

Conversions

Conversions Part 1

Format	Color
Hex	74658E
RGB	116, 101, 142
RGB Percent	45%, 40%, 56%
CMY	0.5451, 0.6039, 0.4431
CMYK	0.18, 0.29, 0.00, 0.44
HSL	262°, 17%, 48%
HSV	262°, 29%, 56%
XYZ	16.7386, 14.9734, 27.5991
YIQ	110.1590, -4.2210, 15.9310

Conversions

Conversions Part 2

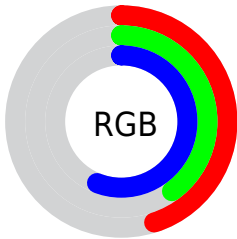
Format	Color
R _Y B	116, 101, 142
Decimal	7628174
CIE Lab	45.60, 14.75, -20.37
CIE LCh	46, 25.152, 305.916
Yxy	14.9734, 0.2822, 0.2525
Android (android.graphics.Color)	4285818254 (0xFF74658E)
YUV	110.1590, 15.6976, 5.1226
Hunter-Lab	38.6955, 9.4971, -15.2011

Details

The XYZ color **16.7386, 14.9734, 27.5991** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **20.7749, 24.7980, 16.0042**, and the grayscale version is **14.8243, 15.5963, 16.9844**.

A 20% lighter version of the original color is **37.5542, 34.8770, 56.9772**, and **5.5657, 4.6043, 10.7206** is the 20% darker color. If you saturate the color by 10%, you get **14.3377, 11.8631, 27.1255**, and if you desaturate by 10%, it is **19.4948, 18.6213, 28.1582**.

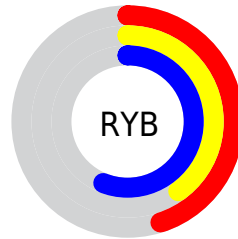
Distribution



Red (45%)

Green (40%)

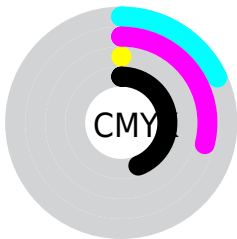
Blue (56%)



Red (45%)

Yellow (40%)

Blue (56%)

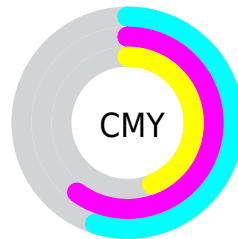


Cyan (18%)

Magenta (29%)

Yellow (0%)

Black (44%)



Cyan (55%)

Magenta (60%)

Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.7386, 14.9734, 27.5991 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 16.7386, 14.9734, 27.5991 by changing the saturation by 10% instead.

■ 16.7386, 14.9734,
27.5991

■ 16.7386, 14.9734,
27.5991

226.8472,
223.2052, 304.3977

■ 10.1424, 8.8007,
17.7873

■ 37.4230, 34.8065,
56.8591

■ 5.5565, 4.6114,
10.6295

■ 52.2419, 49.2357,
77.1444

■ 2.6154, 2.0211,
5.7073

■ 70.5325, 67.1859,
101.7579

■ 0.9538, 0.6197,
2.6020

■ 92.6600, 89.0415,
131.1182

■ 0.0000, 0.0000,
0.8935

118.9899,
115.1868, 165.6437

■ 0.0000, 0.0000,
0.0000

149.8875,

146.0062, 205.7532

185.7181,
181.8842, 251.8650

■ 16.7386, 14.9734,
27.5991

■ 16.7386, 14.9734,
27.5991

■ 14.3377, 11.8631,
27.1255

■ 19.4948, 18.6213,
28.1582

■ 12.2750, 9.2622,
26.7322

■ 22.6193, 22.8292,
28.8057

■ 10.5344, 7.1430,
26.4149

■ 26.1264, 27.6206,
29.5457

■ 9.0974, 5.4741,
26.1685

■ 30.0289, 33.0172,
30.3817

■ 7.9436, 4.2203,
25.9873

■ 34.3391, 39.0392,
31.3169

7.0496, 3.3409,
25.8647

39.0689, 45.7062,
32.3544

6.3662, 2.7437,
25.7855

44.2295, 53.0368,
33.4974

6.2960, 2.6817,
25.7772

49.8317, 61.0490,
34.7486

55.8861, 69.7597,
36.1109

Harmonies

Analogous

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



14.6527, 14.9734, 30.7526



16.7386, 14.9734, 27.5991



18.2528, 14.9734, 21.5020

Triad

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



16.7386, 14.9734, 27.5991



15.9469, 14.9734, 7.8501



10.5759, 14.9734, 17.5267

Complementary

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



16.7386, 14.9734, 27.5991



20.7749, 24.7980, 16.0042

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.



10.8494, 14.9734, 12.0186



16.7386, 14.9734, 27.5991



13.8190, 14.9734, 7.2828

Square

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



16.7386, 14.9734, 27.5991



17.7652, 14.9734, 10.4089



11.9886, 14.9734, 8.6066



11.2010, 14.9734, 24.0860

Rectangle

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



16.7386, 14.9734, 27.5991



18.6593, 14.9734, 17.1425



11.9886, 14.9734, 8.6066



10.5666, 14.9734, 15.4923

Sweetspot

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



16.7391, 14.9740, 27.5994



39.7028, 40.0073, 50.7575



17.9235, 20.0674, 28.5201



8.7003, 8.7088, 11.3019



67.5393, 71.0566, 77.3807



10.1266, 10.6539, 11.6021

Same Dimension

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



16.7391, 14.9740, 27.5994



26.5486, 22.5448, 48.0802



19.6656, 16.4827, 27.7364



5.3043, 5.3450, 6.7809



5.6718, 2.4175, 23.1448



0.0769, 0.0348, 0.2223

Inverse Universe

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



19.6403, 16.5911, 22.2467



32.6620, 25.9570, 36.5885



18.1040, 23.4211, 15.8792



5.5437, 5.4780, 6.3610



11.6838, 5.8305, 9.2522



0.1223, 0.0600, 0.1444

Previews

White Background



This preview shows how the XYZ color 16.7386, 14.9734, 27.5991 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 16.7386, 14.9734, 27.5991 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 16.7386, 14.9734, 27.5991

Background



This preview shows how black text looks on a background with the XYZ color 16.7386, 14.9734, 27.5991.



This preview shows how white text looks on a background with the XYZ color 16.7386, 14.9734,

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

16.7386, 14.9734, 27.5991

Protanopia

15.3758, 15.1321, 29.3045

Deuteranopia

15.3286, 14.9979, 27.2863



Tritanopia

14.8041, 14.9254, 18.3203

Trichromacy



Original Color

16.7386, 14.9734, 27.5991

Protanomaly

15.8713, 15.0905, 28.8643

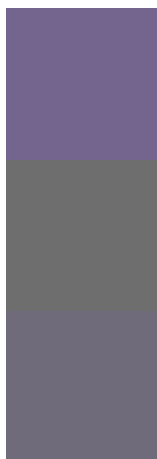
Deuteranomaly

15.7019, 14.8879, 27.2454

Tritanomaly

15.4620, 14.8920, 21.4615

Monochromacy



Original Color

16.7386, 14.9734, 27.5991

Achromatopsia

14.8208, 15.5926, 16.9804

Achromatomaly

15.4526, 15.3653, 20.5637

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.7386, 14.9734, 27.5991 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(116, 101, 142)` looks like.

```
.text, #text, p{  
    color:rgb(116, 101, 142)  
}
```

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(116, 101, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 101, 142) }
```

Border

The CSS property to change the border of an element to XYZ 16.7386, 14.9734, 27.5991 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(116, 101, 142) }
```


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

```
.border{ border-color:rgb(116, 101, 142) }
```

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

Here you see how a box with a 4 pixel `rgb(116, 101, 142)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 101, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 101, 142);  
box-shadow:4px 4px 4px 4px rgb(116, 101,  
142) }
```

Background

The CSS property to change the background color of an element to XYZ 16.7386, 14.9734, 27.5991 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 101, 142) }
```

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

```
.background{ background-color: rgb(116,  
101, 142) }
```

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