

Converting Colors

XYZ(10.9685, 12.7306, 15.8167)

Have a look what the booklet for
XYZ(10.9685, 12.7306, 15.8167)
contains.

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Color

**XYZ(10.9124, 12.6676,
15.7799)**

Conversions

Conversions Part 1

Format	Color
Hex	50686B
RGB	80, 104, 107
RGB Percent	31%, 41%, 42%
CMY	0.6863, 0.5921, 0.5804
CMYK	0.25, 0.03, 0.00, 0.58
HSL	187°, 14%, 37%
HSV	187°, 25%, 42%
XYZ	10.9124, 12.6676, 15.7799
YIQ	97.1660, -15.2670, -4.1550

Conversions

Conversions Part 2

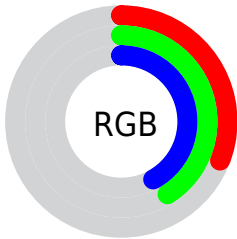
Format	Color
R_{YB}	80, 93, 107
Decimal	5269611
CIE _{Lab}	42.26, -8.10, -4.61
CIE _{LCh}	42, 9.318, 209.643
Yxy	12.6676, 0.2772, 0.3218
Android (android.graphics.Color)	4283459691 (0xFF50686B)
YUV	97.1660, 4.8482, -15.0546
Hunter-Lab	35.5916, -7.5570, -1.3727

Details

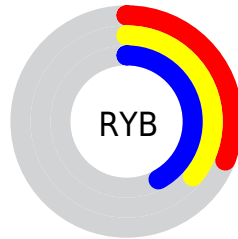
The XYZ color **10.9124, 12.6676, 15.7799** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **10.6048, 9.8916, 8.9400**, and the grayscale version is **11.3945, 11.9879, 13.0548**.

A 20% lighter version of the original color is **27.0988, 30.6571, 36.8369**, and **2.9384, 3.5926, 4.8135** is the 20% darker color. If you saturate the color by 10%, you get **9.9613, 12.0012, 15.7016**, and if you desaturate by 10%, it is **12.0099, 13.4125, 15.8661**.

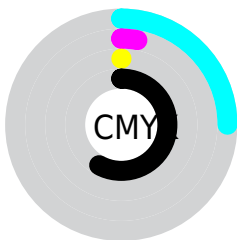
Distribution



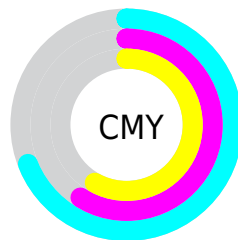
- Red (31%)
- Green (41%)
- Blue (42%)



- Red (31%)
- Yellow (36%)
- Blue (42%)



- Cyan (25%)
- Magenta (3%)
- Yellow (0%)
- Black (58%)



- Cyan (69%)
- Magenta (59%)
- Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 10.9124, 12.6676, 15.7799 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 10.9124, 12.6676, 15.7799 by changing the saturation by 10% instead.

■ 10.9124, 12.6676,
15.7799

■ 10.9124, 12.6676,
15.7799

190.9863,
208.7762, 239.8406

■ 6.0748, 7.2001,
9.2159

■ 27.1325, 30.7053,
36.9771

■ 2.9317, 3.5875,
4.7835

■ 39.2456, 44.0443,
52.4474

■ 1.1178, 1.4456,
2.0643

■ 54.5147, 60.7758,
71.7236

■ 0.0399, 0.2500,
0.5944

■ 73.3051, 81.2843,
95.2241

■ 0.0000, 0.0000,
0.0000

■ 95.9821, 105.9543,
123.3675

122.9110,

135.1699, 156.5723

154.4573,
169.3158, 195.2572

■ 10.9124, 12.6676,
15.7799

■ 10.9124, 12.6676,
15.7799

■ 9.9613, 12.0012,
15.7016

■ 12.0099, 13.4125,
15.8661

■ 9.1486, 11.4084,
15.6300

■ 13.2589, 14.2378,
15.9595

■ 8.4673, 10.8859,
15.5651

■ 14.6660, 15.1471,
16.0609

■ 7.9095, 10.4294,
15.5064

■ 16.2365, 16.1432,
16.1703

■ 7.4661, 10.0344,
15.4535

■ 17.9761, 17.2289,
16.2882

■ 7.1270, 9.6956,
15.4060

■ 19.8897, 18.4069,
16.4148

■ 6.8717, 9.4024,
15.3628

■ 21.9823, 19.6798,
16.5501

■ 6.7566, 9.2669,
15.3427

■ 24.2586, 21.0499,
16.6946

■ 26.7231, 22.5197,
16.8484

Harmonies

Analogous

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



10.7490, 12.6676, 13.7690



10.9124, 12.6676, 15.7799



11.3754, 12.6676, 17.3775

Triad

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



10.9124, 12.6676, 15.7799



13.2342, 12.6676, 15.8253



12.0485, 12.6676, 10.2993

Complementary

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



10.9124, 12.6676, 15.7799



10.6048, 9.8916, 8.9400

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.



12.7304, 12.6676, 10.7386



10.9124, 12.6676, 15.7799



13.4309, 12.6676, 13.8168

Square

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



10.9124, 12.6676, 15.7799



12.7153, 12.6676, 17.4054



13.2431, 12.6676, 11.9801



11.3893, 12.6676, 10.7183

Rectangle

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



10.9124, 12.6676, 15.7799



11.8008, 12.6676, 17.9241



13.2431, 12.6676, 11.9801



12.2828, 12.6676, 10.3508

Sweetspot

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



10.9128, 12.6681, 15.7802



23.0431, 25.0366, 28.5258



10.1160, 12.8410, 10.0687



5.5098, 6.0155, 6.8995



54.2243, 57.0482, 62.1254



6.0569, 6.3724, 6.9395

Same Dimension

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



10.9128, 12.6681, 15.7802



18.5526, 21.9966, 28.1756



9.6864, 10.2153, 15.3714



3.1545, 3.4374, 3.9321



8.2062, 11.2468, 18.6606



41.4212, 56.5210, 94.9527

Inverse Universe

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



11.4311, 9.8629, 14.3985



19.6554, 16.1309, 25.2128



11.7128, 12.1075, 9.3093



3.2038, 3.1584, 3.8035



9.8890, 4.8077, 13.5759



50.1903, 24.4181, 68.1301

Previews

White Background



This preview shows how the XYZ color 10.9124, 12.6676, 15.7799 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 10.9124, 12.6676, 15.7799 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

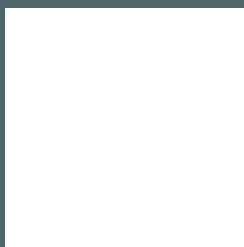
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 10.9124, 12.6676, 15.7799

Background



This preview shows how black text looks on a background with the XYZ color 10.9124, 12.6676, 15.7799.



This preview shows how white text looks on a background with the XYZ color 10.9124, 12.6676,

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

10.9124, 12.6676, 15.7799

Protanopia

12.2161, 12.6325, 14.8912

Deuteranopia

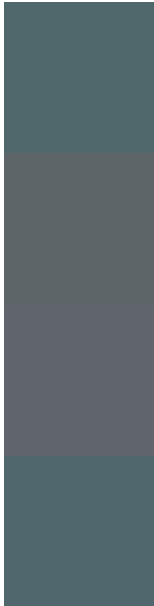
12.8607, 12.6568, 16.2332



Tritanopia

11.1682, 12.6197, 17.1764

Trichromacy



Original Color

10.9124, 12.6676, 15.7799

Protanomaly

11.7177, 12.6544, 15.1896

Deuteranomaly

12.0878, 12.6838, 15.9985

Tritanomaly

11.0581, 12.5756, 16.5964

Monochromacy



Original Color

10.9124, 12.6676, 15.7799

Achromatopsia

11.3621, 11.9538, 13.0177

Achromatomaly

11.2205, 12.2781, 14.0904

CSS Examples

Text

The CSS property to change the color of the text to XYZ 10.9124, 12.6676, 15.7799 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(80, 104, 107) looks like.

```
.text, #text, p{  
    color:rgb(80, 104, 107)  
}
```

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(80, 104, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 104, 107) }
```

Border

The CSS property to change the border of an element to XYZ 10.9124, 12.6676, 15.7799 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(80, 104, 107) }
```


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

```
.border{ border-color:rgb(80, 104, 107) }
```

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

Here you see how a box with a 4 pixel rgb(80, 104, 107) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 104, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 104, 107);  
box-shadow:4px 4px 4px 4px rgb(80, 104,  
107) }
```

Background

The CSS property to change the background color of an element to XYZ 10.9124, 12.6676, 15.7799 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 104, 107) }
```

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

```
.background{ background-color: rgb(80, 104,  
107) }
```

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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